

# ZOOTAXA

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**The millipede type specimens  
in the Collections of the Field Museum of Natural History  
(Arthropoda: Diplopoda)**

PETRA SIERWALD, JASON E. BOND & GRZEGORZ T. GURDA



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## The millipede type specimens in the Collections of the Field Museum of Natural History (Arthropoda: Diplopoda)

PETRA SIERWALD<sup>1</sup>, JASON E. BOND<sup>2</sup> & GRZEGORZ T. GURDA<sup>3</sup>

<sup>1</sup>*Zoology, Insects, Field Museum of Natural History, 1400 S Lake Shore Drive, Chicago, Illinois 60605*

<sup>2</sup>*East Carolina University, Department of Biology, Howell Science complex-N211, Greenville, North Carolina 27858, USA*

<sup>3</sup>*University of Michigan, Department of Molecular & Integrative Physiology 1150 W. Medical Center Drive 7739 Medical Sciences II, Ann Arbor, MI 48109*

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### Abstract

Field Museum's Millipede Collection currently comprises 376 type lots for 208 species. Types of the millipede orders Glomeridesmida (4 species), Sphaerotheriida (2 species), Polyzoniida (1 spe-

cies), Platydesmida (7 species), Siphonophorida (8 species), Stemmiulida (10 species), Chordeumatida (17 species), Polydesmida (103 species), Spirobolida (33 species), Spirostreptida (19 species), and Julida (4 species) are represented. The collection contains type specimens of species described by the authors Bond & Sierwald (3 species), Chamberlin (95 species), Golovatch (1 species), Golovatch, Vohland & Hoffman (4 species), Hoffmann (8 species), Keeton (1 species), Loomis (85 species), Mauriès (2 species), Shear (4 species), Shear & Leonard (1 species), Shelley (1 species), Vohland (1 species), and Wesener & Sierwald (2 species). *Amplinus fortinus* Chamberlin, 1952 (Polydesmida: Aphelidesmidae) is identified as a **nomen nudum**. The millipede type material is separated from the main collection and vials are organized by order in jars. All lots are identified with a unique collection number. Specimen data are cataloged and maintained in a Microsoft Excel spreadsheet. The collection catalog is slated to be moved to a relational database (KE-EMU) within the next few years.

**Key words:** millipede type specimens, Field Museum of Natural History, millipede collection

## Introduction

Type specimens are the foundational units of zoological taxonomy. Because species are among the most basic units of many evolutionary, phylogenetic, ecological, and conservation based studies, accuracy of identification is imperative. More than 21,400 type lots (including all formal type categories) were reported by the 89 collections in the world harboring millipede type material (Sierwald & Reft, 2004; and see [www.myriapoda.org](http://www.myriapoda.org)); an additional 197 institutions house millipede collections without type material. Considering the estimated number of 10,000 nominal millipede species, and assuming that on average these are based on two or three type lots, the number of reported type lots is encouraging. It indicates that the type specimens of most millipede species are safe and available in museums for future study. The preservation of type material demonstrates that scientific collections carry out their most important mission, despite severe lack of resources and inadequate funding support.

The purpose of this paper is to provide an exhaustive catalog of the type material now deposited in the Field Museum of Natural History millipede collection. This important resource adds to the growing list of available millipede type catalogs. Catalogs of millipede type material have been published for the collections of the Canterbury Museum in Christchurch (New Zealand), Hungarian Natural History Museum in Budapest, Museo Civico di Storia Naturale in Milano (Italy), Zoologisches Museum in Berlin (Germany), Zoologisches Institut und Zoologisches Museum in Hamburg (Germany), Naturhistorisches Museum in Wien (Austria), National Museum of Natural History in Sofia (Bulgaria), Laboratorio di Entomologia 'Filippo Silvestri' in Portici (Italy), and Uppsala University (Sweden); see Johns, 2000; Korsós, 1983; Leonardi et al., 1995; Manfredi, 1976; Moritz & Fischer, 1973, 1974, 1975, 1978a, 1978b; Rack, 1973; Stagl, 2003; Stoev & Beron, 2001; Viggiani, 1973; Wallin, 1991; Weidner, 1960; and Wirkner et al., 2002.

More recently, six type catalogs have become available on-line: Royal British Columbia Museum, Victoria (Canada); Naturhistoriska Museet, Göteborg (Sweden); Illinois Natural History Service, Champaign-Urbana (Illinois, USA); Museum of Comparative Zoology, Cambridge (Massachusetts, USA); Western Australian Museum, Perth (Australia), and The Natural History Museum of Denmark, Copenhagen (Denmark).

## Material and Methods

Prior to this survey, type material was interspersed throughout Field Museum's main millipede collection. For the purpose of compiling the type catalog, all type material was separated, and label data, number and gender of specimens were compared to the original species description. All millipede types received new unique catalog numbers and vials were placed in numbered jars.

In several publications containing original descriptions of Field Museum type material authors failed to make clear statements regarding the deposition of type material. Authors of the following publications indicate in the introduction of the paper that all or most of the types were deposited in the Field Museum: Chamberlin, 1943a: 35 (types for eight of nine described species), 1952a: 13, 1952b: 553, 1953a: 67 (types of four species from Honduras), 1953b: 138, Loomis, 1964 (all types except for one species). Loomis (1975: 167) stated that some type material of the species described therein was deposited at Field Museum. Since this statement is somewhat ambiguous, all species described by Loomis in that publication are listed herein and the location of the type material is noted as far as it could be determined.

For many species, the type repository is given by Hoffman (1999). All entries in this catalog were compared to Hoffman (1999) and additional data on the species or the type specimens are noted. From 1943 to 1966 the Field Museum of Natural History was called Chicago Natural History Museum; during that time period authors publishing on Field Museum material used the latter name.

The type catalog is arranged by order, within each order the genera and species are listed alphabetically. All type specimen lots are entered under the original genus-species combination as proposed by the author in the original description.

Each entry lists:

1. original family placement. Subsequent changes in family placement of genera or generic synonymies are noted below the genus name header. 'NF' in front of the genus-species citation indicates that no family placement was given in the original description.
2. original genus-species combination with author, year and full literature citation. Asterisk \* denotes type species of the genus.
3. New combinations of the name with author, year and page number listed below the

main entry.

4. The holotype data are given first under each species entry; paratypes are listed in the order of catalog number. In some cases, vial labels and publications indicate ‘type(s)’ only; the exact type status of the specimens remains unclear. In such cases, the specimens are listed here as syntypes.
5. Each type specimen entry includes: (collector and collecting date in parentheses), country, state or province, locality; the **jar number** consisting of a number-letter combination, and a unique catalog number/ total number of specimens and gender of specimens in the vial. Locality data are given as found on the specimen labels; names of provinces, departments or counties were added here. No metric conversion of elevation and distance measures were made. The number of male and/or female specimens noted after the backslash (/) gives the actual number of specimens found in the vial at the time of the survey. Notes in square brackets at the end of each entry contain various additions and clarifications, such as discrepancies between data in the species descriptions and those on the vial label.
6. An @ at the end of each specimen entry indicates that the specimens were out on loan at the time this type catalog was prepared.

During the survey of Field Museum's millipede collection we encountered several manuscript names, i.e. cases where species names on vial labels did not match the published species descriptions. Otherwise, all other data on the label clearly identified the specimens in the vial with the ones cited in the species description. In order not to circulate non-available manuscript names, such label-names are not listed in this catalog; species are listed under their properly published names.

### Abbreviations of collections

FSCA Florida State Collection of Arthropods, Gainesville, Florida, USA

MCZ Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, USA

MHNL Museo Nacional de Historia Natural, Lima, Peru

MZSP Museu de Zoologia da Universidade de São Paulo, Brazil

NCSM North Carolina State Museum of Natural Sciences, Raleigh, North Carolina, USA

USNM National Museum of Natural History, Smithsonian Institution, Washington DC, USA

VMNH Virginia Museum of Natural History, Martinsville, Virginia, USA

### Acknowledgements

Separating the type specimens from the millipede collection at Field Museum was done by

the G.T. Gurda (formerly at University of Chicago) during an NSF-funded undergraduate summer internship. Earlier drafts of the catalog were reviewed by Drs. R.L. Hoffman and R.M. Shelley. Intern Abigail Julia Reft (formerly at University of Chicago) assisted greatly in final checking and editing of the manuscript. Field Museum's collection assistant James Louderman checked the specimen vials in the collection. We are grateful to Dr. J. A. Coddington for locating and returning type material erroneously deposited in the collection of the Smithsonian Institution. Dr. J. Adis forwarded Field Museum type material from his collection. We are grateful for this support by our colleagues. This work was supported by an NSF-PEET grant 97-12438 to P. Sierwald and W.A. Shear (Hampden-Sydney College, Virginia).

### Results—LIST OF TYPES

The myriapod collections of the Field Museum currently contain over 8,300 computerized lots. The millipede type material comprises 208 species and 376 type lots. The collection contains type material in the orders Glomeridesmida, Sphaerotheriida, Polyzoniida, Platydesmida, Siphonophorida, Stemmiulida, Chordeumatida, Polydesmida, Spirobolida, Spirostreptida, and Julida. Field Museum's collections currently do not house type material of the orders Polyxenida, Glomerida, Callipodida, and Siphoniulida. Type material of 13 species alleged to be housed in Field Museum's collection could not be located. The Field Museum millipede types were described by the following authors: Bond & Sierwald (3 species), Chamberlin (95 species), Golovatch (1 species), Golovatch, Vohland & Hoffman (4 species), Hoffmann (8 species), Keeton (1 species), Loomis (85 species), Mauriès (2 species), Shear (4 species), Shear & Leonard (1 species), Shelley (1 species), Vohland (1 species), and Wesener & Sierwald (2 species).

The vast majority of the material was collected by Field Museum's curators H.S. Dybas, K.P. Schmidt, and others. Significant amounts of material were purchased from S.&J. Peck. The type collection is mainly Neotropical (from Panamá, Guatemala, Honduras, Colombia and Venezuela), but also contains a few Oriental and Pacific specimens. Recent extensive collecting activity by S.M. Goodman (Field Museum) in Madagascar yielded material of new species, which are currently being described (Wesener & Sierwald, in press).

The catalog of the millipede type material in Field Museum's collections is an uncritical listing; the current taxonomic status of the nominal taxa involved was not researched in detail. Statements regarding the family placement of genera and synonymies follow mostly Hoffman (1980, 1999). This does not imply that Hoffman should necessarily be credited as the author of such nomenclatorial actions. However, the *type status* for each specimen lot was evaluated by comparison with the original species descriptions.

## Order GLOMERIDESMIDA

*Glomeridesmus* Gervais, 1844

Glomeridesmidae: *Glomeridesmus albiceps* Loomis, 1975. Florida Entomologist, 58: 168

Paratypes — (S&J Peck, Jan 2, 1973), Jamaica, St. Thomas Parish, Portland Gap, 5500ft; **Jar 2A, 587/** 1 FEMALE, 1 juv [juv not listed in species description]

Paratypes — (S&J Peck, Dec 30, 1972), Jamaica, Trelawny Parish, 5 miles N of Alberttown; **Jar 2A, 592/** 2 FEMALES [only 1 FEMALE listed in species description]

Paratypes — (S&J Peck, Jan 1, 1973), Jamaica, St. Thomas Parish, Whitfield Hall, 4200ft; **Jar 2A, 595/** 1 MALE, 2 FEMALES

Note: The holotype (S&J Peck, Dec 28, 1972; Jamaica, St. Ann Parish, Mt. Diablo, S. Moneague, 2100ft, 1 MALE) and a paratype series (S&J Peck, Dec 28, 1972; Jamaica, St. Ann Parish, Mt. Diablo, S. Moneague, 2100ft, 9 MALES, 7 FEMALES, 6 juv) were not located in Field Museum's collection. According to Hoffman (1999: 20), the holotype was deposited at FSCA.

Glomeridesmidae: *Glomeridesmus bicolor* Loomis, 1964. Fieldiana, Zoology, 47: 10–12

Holotype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante, forest floor litter; **Jar 2A, 601/** 1 MALE

Note: The paratype (H.S. Dybas, Feb 23, 1959, Panamá, Coclé Prov., El Valle, “trail to Las Minas,” 2400ft, 1 MALE) was not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

Glomeridesmidae: *Glomeridesmus circularis* Loomis, 1964. Fieldiana, Zoology, 47: 12–13

Holotype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, “Barca area,” 5650ft; **Jar 2A, 605/** 1 MALE, 2 FEMALE

Paratypes — (H.S. Dybas, Mar 5, 1959), Panamá, Panamá Prov., road west of Finca Palo Santo, near Nueva California, 4750ft; **Jar 2A, 598/** 5 juv

Paratypes — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 2A, 600/** 1 FEMALE

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, “Barca area,” 5650ft; **Jar 2A, 602/** 2 MALES, 1 FEMALE, 3 juv

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 7750ft; **Jar 2A, 603/** 2 FEMALES, 4 juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 2A, 604/** 2 MALES, 1 FEMALE, 3 juv

Note: species also recorded from Bocas del Toro Prov., Almirante (Hoffman, 1999: 20).



Glomeridesmidae: *Glomeridesmus rotundatus* Loomis, 1964. Fieldiana, Zoology, 47: 13–14

Holotype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 2A, 599/** 1 MALE

### Order SPHAEROTHERIIDA

*Sphaeromimus* deSaussure & Zehntner, 1902

Sphaerotheriidae: *Sphaeromimus inexpectatus* Wesener & Sierwald, in press. Proceedings of the California Academy of Natural Sciences

Holotype, paratype — (T. Wesener, Apr 17, 2003), Madagascar, Toliara Prov., 24°57'15"S 046°39'22"E, littoral forest, in leaf litter; **Jar 11, 6701/** 1 MALE, 1 FEMALE

Sphaerotheriidae: *Sphaeromimus splendidus* Wesener & Sierwald in press. Proceedings of the California Academy of Natural Sciences

Holotype — (T. Wesener, Apr 8, 2003), Madagascar, Toliara Prov., St. Luce, 24°47'S 047°10'E, littoral forest, in leaf litter; **Jar 11, 6702/** 1 FEMALE

Paratype — (T. Wesener, Apr 8, 2003), Madagascar, Toliara Prov., St. Luce, 24°57'15"S 046°39'22"E, littoral forest, in leaf litter; **Jar 11, 6703/** 1 MALE, 3 FEMALES

### Order POLYZONIIDA

*Siphonotus* Brandt, 1837

Note: Genus *Siphonotus* is placed in the family Siphonotidae, Siphonotinae, Siphonotini (Hoffman, 1980: 73). Hoffman (1999: 35) placed most New World species formerly assigned to *Siphonotus* in the genus *Rhinotus* Cook, 1896.

Polyzoniidae: *Siphonotus panamanus* Loomis, 1964. Fieldiana, Zoology, 47: 122

*Rhinotus panamanus*, — Hoffman, 1999: 35 (new combination by Hoffman)

Holotype — (H.S. Dybas, Feb 7, 1959), Panamá, Panamá Prov., Chilibrillo Cave; **Jar 7A, 929/** 1 MALE

Paratypes — (H.S. Dybas, Feb 7, 1959), Panamá, Panamá Prov., Chilibrillo Cave; **Jar 7A, 928/** 12 specimens: MALES, FEMALES, juv

Note: The following specimens from Panamá, Barro Colorado Island, former Canal Zone (C. Z.) were listed in the species description, but were not named paratypes (H.S. Dybas, Jan 22, 1959; **Jar 7A, 930/** 36+ specimens: MALES, FEMALES, juv; Feb 15, 1959; **Jar 7A, 931/** 2FEMALE; Jan 10, 1959; **Jar 7A,**

**933/ 1 MALE, 2 FEMALES**). Also listed are specimens from Madden Forest Preserve (H.S. Dybas, Feb 15, 1959; **Jar 7A, 932/ 1 MALE, 2 FEMALES, 2 juv**).

### Order PLATYDESMIDA

#### *Desmethus* Chamberlin, 1922

Platydesmidae: *Desmethus chiriquensis* Loomis, 1964. Fieldiana, Zoology, 47: 126–127

Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 6900ft; **Jar 4A, 913/ 1 FEMALE**

Note: species also recorded from Costa Rica (Hoffman, 1999: 180).

#### *Platydesmus* Lucas, 1843

Platydesmidae: *Platydesmus calus* Chamberlin, 1952. Great Basin Naturalist, 12: 30

Paratypes — (H.S. Dybas, Aug 8, 1941), México, Veracruz State, El Fortín; **Jar 4A, 6343/ 3 FEMALES**

Syntypes? — (H.S. Dybas, Jul 15, 1941), México, Veracruz State, Penuela/ 2 specimens.

Note: The type status of the specimens cited in the species description is not clear Chamberlin (1952a: 30). The label of specimens in Field Museum's collection states: 'paratypes.'

Platydesmidae: *Platydesmus crucis* Chamberlin, 1952. Great Basin Naturalist, 12: 31

Syntypes — (H.S. Dybas, Jun 30, 1941), México, Veracruz State, Las Vigas; **Jar 4A, 905/ 5 MALES, 3 FEMALES**

Syntypes — (H.S. Dybas, Jun 30, 1941), México, Veracruz State, Las Vigas; **Jar 4A, 906/ 1 MALE, 1 FEMALE**

Platydesmidae: *Platydesmus excisus* Chamberlin, 1952. Great Basin Naturalist, 12: 31–33

Syntypes — (K.P. Schmidt, Feb 8, 1934), Guatemala, Dept. ?Quiché/Alta Verapaz?, Sierra Santa Elena, 9500ft; **Jar 4A, 907/ 25+: 3 MALES, 17 FEMALES, 5 juv** [label: Feb 5].

Platydesmidae: *Platydesmus perditus* Chamberlin, 1952. Great Basin Naturalist, 12: 33

Holotype — (No locality label in vial), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 4A, 904/ 1 specimen** [gender not specified in species description, specimen most likely female]

Platydesmidae: *Platydesmus subovatus* Loomis, 1964. Fieldiana, Zoology, 47: 127–128

Holotype — (H.S. Dybas, Mar 22, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 4A, 912/ 1 FEMALE**

Platydesmidae: *Platydesmus taureus* Loomis, 1964. Fieldiana, Zoology, 47: 128–130  
Holotype — (G.A. Solem, Mar 23, 1959), Panamá, Bocas del Toro Prov., Alm-  
irante, Negra Creek; **Jar 4A, 911/ 1 FEMALE**.

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## Order SIPHONOPHORIDA

### *Siphonocybe* Pocock, 1903

Siphonophoridae: *Siphonocybe crassirostrata* Loomis, 1975. Florida Entomologist, 58:  
183–184

Note: The type specimens (holotype and paratypes collected by S&J Peck, Dec 28, 1972, Jamaica, St. Ann Parish, S. Moneague, Mt. Diablo, 2500ft, 1 MALE holotype; 3 MALES, 3 FEMALE paratypes) were not located in Field Museum's collection. According to Hoffman (1999: 190) the holotype was deposited at FSCA. Species also recorded from Jamaica, St. Ann Parish, Claremont (Hoffman, 1999: 190).

Siphonophoridae: *Siphonocybe laticollis* Loomis, 1964. Fieldiana, Zoology, 47: 123

Holotype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, Barca area, 5650ft; **Jar 8A, 968/ 1 MALE**

Paratype — (G.A. Solem, Mar 8, 1959), Panamá, Chiriquí Prov., Cerro Punta, 5600ft; **Jar 8A, 963/ 1 FEMALE**

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, Barca area, 5650ft; **Jar 8A, 965/ 2 FEMALES**

Note: The paratypes collected by G.A. Solem in Panamá, Chiriquí Prov., Finca Lerida, Barca area, 5650ft (Mar 14, 1959, 1 MALE; Mar 14, 1959, 1 MALE) were not located in collection. According to Loomis (1964: 8) some paratypes were deposited at USNM. The species is also recorded from Panamá, Chiriquí Prov., Cerro Punta (Hoffman, 1999: 190).

### *Siphonophora* Brandt, 1837

Siphonophoridae: *Siphonophora coclensis* Loomis, 1964. Fieldiana, Zoology, 47: 124–125

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, trail to Las Minas, 2400ft; **Jar 8A, 966/ 1 MALE**

Siphonophoridae: *Siphonophora conicornis* Chamberlin, 1952. Great Basin Naturalist, 12: 34

Holotype — (K.P. Schmidt, Dec 4, 1933), Guatemala, Dept. Izabal, Escobas; **Jar 8A, 975/ 1 FEMALE**

- Siphonophoridae: *Siphonophora compacta* Loomis, 1975. Florida Entomologist, 58: 184  
Note: The type specimens (holotype and paratypes collected by S&J Peck, Dec 28, 1972, Jamaica, St. Anne Parish, S Moneague, Mt. Diablo, 1 MALE holotype, 1 FEMALE paratype) were not located in Field Museum's collection. According to Hoffman (1999: 191) the holotype was deposited at FSCA.
- Siphonophoridae: *Siphonophora fallens annecta* Chamberlin, 1952. Great Basin Naturalist, 12: 34.  
*Siphonophora fallens*, — Hoffman, 1999: 192  
Holotype — (K.P. Schmidt, Feb 13, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 8A, 974**/ 1 FEMALE
- Siphonophoridae: *Siphonophora montana* Loomis, 1964. Fieldiana, Zoology, 47: 125  
Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 6900ft; **Jar 8A, 962**/ 1 MALE  
Note The paratype collected by H.S. Dybas (Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft, 1 MALE) was not found in Field Museum's collection. According to Loomis (1964: 8) paratypes were deposited at USNM.
- Siphonophoridae: *Siphonophora parvula* Loomis, 1964. Fieldiana, Zoology, 47: 125–126  
Holotype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, Barca area, 5650ft; **Jar 8A, 972**/ 1 MALE  
Paratype — (H.S. Dybas, Mar 9, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 5000ft; **Jar 8A, 964**/ 1 FEMALE  
Paratype — (H.S. Dybas, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5600ft; **Jar 8A, 967**/ 1 MALE  
Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5150ft; **Jar 8A, 969**/ 3 MALES, 2 FEMALES  
Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 8A, 970**/ 3 MALES  
Paratype — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, Casita alta, 6900ft; **Jar 8A, 971**/ 1 MALE  
Note: The paratype collected by H.S. Dybas (Mar 12, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5250ft, 1 MALE) was not found in Field Museum's collection. According to Loomis (1964: 8) some paratypes were deposited at USNM.
- Siphonophoridae: *Siphonophora vera* Chamberlin, 1952. Great Basin Naturalist, 12: 34.  
Holotype — (H.S. Dybas, Jun 30, 1941), México, Veracruz State, Las Vigas, 5500ft; **Jar 8A, 973**/ 1 MALE [species description lists 18 specimens in total]

## Order STEMMIULIDA

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### *Prostemmiulus* Silvestri, 1916

Stemmiulidae: *Prostemmiulus annulatus* Loomis, 1964. Fieldiana, Zoology, 47: 106–108

Holotype, paratype — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1003**/ 1 MALE holotype, 3 FEMALE paratypes

Paratype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1009**/ 2 MALES, 2 FEMALES, 5 juv

Paratype — (H.S. Dybas, Mar 26, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1010**/ 1 FEMALE

Stemmiulidae: *Prostemmiulus atypus* Chamberlin, 1952. Great Basin Naturalist, 12: 15–16.

Holotype — (K.P. Schmidt, Nov 27, 1933), Guatemala, Dept. Izabal, Escobas, Puerto Barrios; **Jar 5A, 200**/ 1 FEMALE

Stemmiulidae: *Prostemmiulus cincinnatus* Loomis, 1964. Fieldiana, Zoology, 47: 108–109

Holotype, paratype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1005**/ 1 MALE holotype, 1 FEMALE paratype

Paratypes — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1007**/ 2 FEMALES, 2 juv

Paratypes — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5A, 1008**/ 1 FEMALE, 1 juv [species description gives Mar 26 and Mar 30 as collecting dates]

NF: *Prostemmiulus loomisi* Mauriès, 1979. Bulletin du Muséum National d'Histoire Naturelle, Paris {4<sup>e</sup> Sér}, No 1, Section A, No. 3: 631–634

Paratype — (P. Calabi, Aug, 1976), Costa Rica, Dept. Heredia, Finca la Selva, près de Puerto Viejo, 3 FEMALES .

Note: According to Mauriès (1979: 631) the holotype MALE and a paratype FEMALE were deposited at MNHN; three FEMALE paratypes were deposited at Field Museum. Hoffman (1999: 24) cites FMNH as holotype repository. No specimens were found in the collection.

Stemmiulidae: *Prostemmiulus obscurus* Chamberlin, 1952. Great Basin Naturalist, 12: 16

Holotype — (K.P. Schmidt, Dec 2, 1928), Haiti, Kenshoff, 4500ft; **Jar 5A, 201**/ 1 FEMALE

Stemmiulidae: *Prostemmiulus teres* Loomis, 1964. Fieldiana, Zoology, 47: 109

Holotype, paratype — (H.S. Dybas, Mar 10, 1959), Panamá, Chiriquí Prov., Finca

Lerida, 5000ft; **Jar 5A, 1006/** 1 MALE holotype, 1 FEMALE paratype [species description cites as locality west of Finca Palo Santo, near Nueva California]

Stemmiulidae: *Prostemmiulus vallaris* Loomis, 1964. Fieldiana, Zoology, 47: 109–110

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, trail to Las Minas, 2400ft; **Jar 5A, 1004/** 1 MALE

*Stemmiulus* Gervais, 1844

Stemmiulidae: *Stemmiulus malkini* Mauriès, 1979. Bulletin du Muséum National d'Histoire Naturelle, Paris {4<sup>e</sup> Sér}, No1, Section A, No. 3: 634–636

Holotype, paratypes — (B. Malkin, Apr 7, 1971), Ecuador, Dept. Pichincha SW of Santo Domingo, 500 meters; **Jar 5B, 992/** 1 MALE holotype, 4 FEMALE paratypes, numerous fragments.

Stemmiulidae: *Stemmiulus marginandus* Loomis, 1964. Fieldiana, Zoology, 47: 110–111

Holotype, paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 5B, 1012/** 1 MALE holotype, 2 FEMALE paratypes

Stemmiulidae: *Stemmiulus pallicollis* Mauriès, 1979. Bulletin du Muséum National d'Histoire Naturelle, Paris {4<sup>e</sup> Sér}, No 1, Section A, No. 3: 637–639

Holotype, paratypes — (B. Malkin, Apr 7, 1971), Ecuador, Dept. Pichincha SW of Santo Domingo, 500 meters; **Jar 5B, 993/** 1 MALE holotype, 9 (3 MALES, 6 FEMALES) paratypes

Stemmiulidae: *Stemmiulus parallelus* Loomis, 1964. Fieldiana, Zoology, 47: 111–112

Holotype — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., west of Finca Palo Santo, near Nueva California, 4700ft; **Jar 5B, 1011/** 1 MALE

Paratypes — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, alt. 4750; **Jar 5B, 1013/** 1 MALE, 2 FEMALES

## Order CHORDEUMATIDA

*Acakandra* Loomis, 1964

Note: *Acakandra* is considered a junior subjective synonym of *Cleidogona* Cook, 1895 by Shear (1972: 196; see Hoffman (1980: 131; 1999: 212, as *Akakandra* [sic]).

\*Cleidogonidae: *Acakandra austrina* Loomis, 1964. Fieldiana, Zoology, 47: 99–100.

*Cleidogona austrina*, — Shear, 1972: 158; Hoffman, 1999: 213

Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 7000ft; **Jar 1A, 374/** 1 MALE [male gonopods missing]

Paratypes — (H.S. Dybas, Apr 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 7000ft; **Jar 1A, 375**/ 2 FEMALES [labels clearly states different month than label in holotype vial]

**Branneria** Bollman, 1893

Branneriidae: *Branneria bonoculus* Shear, 2003. Zootaxa, **233**: 3

Holotype — (Feb 25, 1977), USA, Arkansas, Nevada County; **Jar 1B, 6199**/ 1 MALE

**Cleidogona** Cook, 1895

Cleidogonidae: *Cleidogona mandeli* Chamberlin, 1952. Great Basin Naturalist, 12: 13

Holotype, paratypes — (K.P. Schmidt, Feb 13, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 1A, 406**/ 1 MALE holotype, 2 FEMALE paratypes

Note: Hoffman (1999: 219) indicated uncertainty about the type material repository.

Cleidogonidae: *Cleidogona punctifer* Chamberlin, 1952. Great Basin Naturalist, 12: 13–15

Syntypes — (K.P. Schmidt, Feb 4–7, 1934), Guatemala, Dept. Chimaltenango, Chichivac; **Jar 1A, 405**/ 3 FEMALES

Cleidogonidae: *Cleidogona tajumulco* Chamberlin, 1952. Great Basin Naturalist, 12: 15

Holotype — (K.P. Schmidt, Feb 3, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 1A, 404**/ 1 FEMALE

Note: Hoffman (1999: 223) indicated uncertainty about the type material repository.

**Conotyla** Cook & Collins, 1895

Conotylidae: *Conotyla vaga* Loomis, 1939. Bulletin of the Museum of Comparative Zoology, Harvard University, 86: 182–183

Paratypes — (K. Dearolf, Apr 28, 1935), USA, Pennsylvania: Berks County, South Temple Cave; **Jar 1A, 450**/ 4 MALES, 19 FEMALES

Note: Shear (1971: 67) synonymized *C. vaga* under *C. blakei* Verhoeff, 1932; see Hoffman, 1999: 243. The holotype of *vaga* was deposited at MCZ (Hoffman, 1999: 243).

**Dearolfia** Loomis, 1939

Note: *Dearolfia* is considered a junior subjective synonym of *Pseudotremia* Cope, 1869 by Shear (1972: 162); see Hoffman (1980: 131; 1999: 225).

\*Cleidogonidae: *Dearolfia lusciosa* Loomis, 1939. Bulletin of the Museum of Comparative Zoology, Harvard University, 86: 178–179



*Pseudotremia lusciosa*, — Shear, 1972: 187; Hoffman, 1999: 229

Paratypes — (K. Dearolf, Jun 1, 1935), USA, West Virginia: Pendleton County, Seneca Caverns; **Jar 1A, 400/** 1 MALE, 1 FEMALE, 2 juv

Note: The holotype was deposited at the MCZ (Hoffman, 1999: 229).

***Dybasia*** Loomis, 1964

Note: Genus *Dybasia* is placed in the family Cleidogonidae (Hoffman, 1980: 131, 1999: 224). The family Dybasiidae was synonymized under Cleidogonidae by Shear, 1972: 156.

\*Dybasiidae: *Dybasia humerosa* Loomis, 1964. Fieldiana, Zoology, 47: 101–102

Holotype — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, 6900ft; **Jar 1C, 515/** 1 MALE

Paratypes — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, 6900ft; **Jar 1C, 506/** 3 FEMALES, 1 juv [listed as 2 FEMALES, 1juv]

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 1C, 507/** 2 juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 1C, 508/** 2 MALES, 2 FEMALES [listed as having 11 juv too]

Paratypes — (H.S. Dybas, Apr 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 1C, 510/** 20+: juv

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 1C, 511/** 7 juv

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 1C, 513/** 1 FEMALE

Paratypes — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punto, 6900ft; **Jar 1C, 514/** 2 FEMALES, 2 juv [listed as just 2 FEMALES]

***Metopidiotrix*** Attems, 1907

Metopidiotrichidae: *Metopidiotrix apoensis* Shear, 2002. Invertebrate Systematics, 16: 888.

Holotype — (F.G. Werner, Aug 25–27, 1946), Philippines, Mindanao Island, Davao Prov., E slope of Mt. McKinley, under bark, 6700ft; **Jar 1B, 6200/** 1 MALE

Paratype — (H. Hoogstraal, Nov 1946), Philippines, Mindanao, Davao Prov., Mt Apo, Camp Mainit, 4300ft; **Jar 1B, 6201/** 1 MALE

Metopidiotrichidae: *Metopidiotrix baleti* Shear, 2002. Invertebrate Systematics, 16: 878.

Holotype — (D. Balet, Jan 28, 1994), Philippines, Luzon Island, Camarines Sur Prov., 4km N, 5km E of Naga City, 13° 40'N 123°22'E, 1550m, mossy forest, sifted from leaf litter; **Jar 1C, 6709/** 1 MALE



Paratypes — (D. Balete, Jan 31, 1994), Philippines, Luzon Island, Camarines Sur Prov., 4km N, 21.5km E of Naga City, 1550m, mossy forest, leaf litter; **Jar 1C, 6710/ 8 MALES, 17 FEMALES**

Paratypes — (D. Balete, Apr 26, 1994), Philippines, Luzon Island, Camarines Sur Prov., Naga City, 1550m, mossy forest, leaf litter; **Jar 1C, 6711/ 4 MALES, 4 FEMALES**

Paratypes — (D. Balete, Jan 28, 1994), Philippines, Luzon Island, Camarines Sur Prov., 4km N, 5km E of Naga City, 13° 40'N 123°22'E, 1550m, mossy forest, sifted from leaf litter; **Jar 1C, 6712/ 1 MALE, 7 FEMALES**

Metopidiotrichidae: *Metopidiotrix hoogstraali* Shear, 2002. Invertebrate Systematics, 16: 887.

Holotype — (H. Hoogstraal, Aug 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, 2000ft, indigenous forest, sifting humus; **Jar 1B, 6202/ 1 MALE**

Paratypes — (H. Hoogstraal, July 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, 2000ft, indigenous forest, sifting humus; **Jar 1B, 6203/ 3 FEMALES**

Paratypes — (H. Hoogstraal, Aug 22, 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, 3000ft, indigenous forest, sifting humus; **Jar 1B, 6204/ 1 MALE, 3 FEMALES**

Metopidiotrichidae: *Metopidiotrix weneri* Shear, 2002. Invertebrate Systematics, 16: 886.

Holotype — (F.G. Werner, Aug 21, 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, indigenous forest, sifting humus, 5200ft; **Jar 1B, 6205/ 1 MALE**

Paratypes — (F.G. Werner, Aug 21, 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, indigenous forest, sifting humus, 5200ft; **Jar 1B, 6206/ 1 MALE, 2 FEMALES**

Paratypes — (H. Hoogstraal, Sep, 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, indigenous forest, sifting humus, 3200ft; **Jar 1B, 6207/ 1 MALE** [F. G. Werner listed as collector in species description]

Paratypes — (H. Hoogstraal, Sep, 1946), Philippines, Mindanao, Davao Prov., E slope of Mt. McKinley, indigenous forest, sifting humus, 3000ft; **Jar 1B, 6208/ 1 FEMALE** [in publication same data as above]

***Microlympia*** Shear and Leonard, 2003

Note: Genus *Microlympia* Shear and Leonard (2003: 4) is placed in the family Microlympiidae, assigned to suborder Brannerioidea (Shear and Leonard, 2003: 2)

\*Microlympiidae: *Microlympia echina* Shear and Leonard, 2003. Zootaxa, 243: 4

Holotype — (W. Leonard, Mar 28, 2003), USA, Washington, Jefferson County, Alder Creek, 1.5 mi N of Hoh River, 47° 49' 43"N 124° 13' 30 W, red alder riparian forest; **Jar 1B, 6209/ 1 MALE**

Paratypes — (W. Leonard, Mar 28, 2003), USA, Washington, Jefferson County, Alder Creek, 1.5 mi N of Hoh River, 47° 49' 43"N 124° 13' 30 W, red alder riparian forest; **Jar 1B, in 3 vials 6210–6212/ 20 specimens: MALE, FEMALE**

**Ogkomus** Loomis, 1964

Note: Genus *Ogkomus* is considered a junior subjective synonym of *Dybasia* Loomis, 1964 by Shear (1972: 243); see Hoffman (1980: 131; 1999: 224); genus *Dybasia* is placed in the family Cleidogonidae (Hoffman, 1980: 131; 1999: 224).

\*Dybasiidae: *Ogkomus divergens* Loomis, 1964. Fieldiana, Zoology, 47: 104

Holotype — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas Del Toro Prov., Almirante; **Jar 1A, 509/ 1 MALE**

Paratypes — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas Del Toro Prov., Almirante; **Jar 1A, 505/ 2 FEMALES, 22 juv**

Paratypes — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante **Jar 1A, 512/ 8 FEMALES, 1 MALE, 4 juv**

**Pseudotremia** Cope, 1869

Cleidogonidae: *Pseudotremia princeps* Loomis, 1939. Bulletin of the Museum of Comparative Zoology, Harvard University, 86: 168–170

Paratypes — (K. Dearolf, Apr 20, 1935), USA, West Virginia: Pendleton County, Smoke Hole Cave; **Jar 1A, 393/ 1 MALE, 2 FEMALES**

Paratypes — (K. Dearolf, Apr 22, 1935), USA, West Virginia: Eagle Cave; **Jar 1A, 401/ 1 MALE, 1 FEMALE**

Paratype — (K. Dearolf, Jun 1, 1935), USA, West Virginia: Eagle Cave; **Jar 1A, 403/ 1 FEMALE broken**

Note: According to Hoffman (1999: 230) the holotype was deposited at MCZ; recorded from several caves in Pendleton County; 'Eagle Cave' locality doubtful (Hoffman, 1999: 230, Shear, 1972: 190).

Cleidogonidae: *Pseudotremia simulans* Loomis, 1939. Bulletin of the Museum of Comparative Zoology, Harvard University, 86: 170–171

Paratypes — (K. Dearolf, Jul 5, 1937), USA, West Virginia: Simmons Cave; **Jar 1A, 402/ 1 MALE, 2 juv**

Note: According to Shear (1972: 187; see also Hoffman, 1999: 230) the holotype is located at MCZ.

*Solemia* Loomis, 1964

Note: Genus *Solemia* is considered a junior subjective synonym of *Dybasia* Loomis, 1964 (Shear, 1972: 243; see Hoffman, 1980: 131; 1999: 224), and is placed in the family Cleidogonidae (Hoffman, 1980: 131; 1999: 224).

\*Dybasiidae: *Solemia chiriquia* Loomis, 1964. Fieldiana, Zoology, 47: 105

*Dybasia chiriquia*, — Shear, 1972: 246.

Holotype — (H.S. Dybas, Mar 12, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5600ft; **Jar 1C, 504/** 1 MALE

Paratypes — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 7000ft; **Jar 1C, 503/** 3 FEMALES, 6 juv

## Order POLYDESMIDA

*Airocaulon* Loomis, 1964

Note: Genus *Airocaulon* is placed in the family Pyrgodesmidae (Hoffman, 1999: 474).

\*Stylodesmidae: *Airocaulon humerosum* Loomis, 1964. Fieldiana Zoology, 47: 66–67

Holotype — (H.S. Dybas, Apr 1, 1959), Panamá, Boca del Toro Prov., Almirante; **Jar 6U, 6225/** 1 MALE [damaged]

*Amplinus* Attems, 1898

Note: Hoffman (1998c: 135, see also 1999: 384) placed the genus *Amplinus* (formerly in the family Platyrhacidae) in the reconstituted family Aphelidesmidae.

Euryuridae: *Amplinus constrictus* Chamberlin, 1953. Proceedings of the Biological Society of Washington, 66: 67–68

Holotype, paratypes — (K.P. Schmidt & L. Walters, Apr 1, 1923), Honduras, Cortes Prov., San Pedro Sula, 4500ft; **Jar 6A, 536/** 1 MALE holotype, 2 FEMALES, fragments paratypes

Paratypes — (K.P. Schmidt & L. Walters, Apr 1, 1923), Honduras, Cortes Prov., San Pedro Sula, 4500ft; **Jar 6A, 533/** 1 MALE, 4 FEMALES [Label carries a different species name, currently considered an unavailable manuscript name].

Euryuridae: *Amplinus eutypus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 573–574.

Holotype, paratype — (K.P. Schmidt, Feb 16, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 6A, 530/** 1 MALE, 1 FEMALE

Note: The label in the vial states ‘1 MALE holotype, 1 FEMALE paratype’. Examination of the specimens confirmed the label data, the vial contains a male and a female. In the species description (Chamberlin, 1952b: 574), 3 FEMALES from México (with the locality data as given under *Amplinus fortinus*, see below) are listed as the only material for *eutypus*. However, fig. 35 in Chamberlin

(1952b) illustrates a gonopod for *eutypus*. Hoffman (1983: 34; 1999: 388) referred to the published locality data for *eutypus* assuming México, not Guatemala, when he synonymized *A. eutypus* under *Amplinus pococki* Cook, 1911 (see also below under *Amplinus fortinus*). His assumption that the name '*eutypus*' is '... apparently based on the same type material' as *fortinus* (see above) is incorrect.

Euryuridae: *Amplinus fortinus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 575. **Nomen Nudum.**

Syntypes — (H.S. Dybas, Jul 8, 1941), México, Veracruz State, El Fortin, 3000ft; **Jar 6A, 531/ 3 FEMALES**

Note: A vial labeled 'female types' with the locality data given above, matching the locality data given for *eutypus* in the species description of *A. eutypus* (see above) was found in the collection. The species name on the vial, *Amplinus fortinus*, occurs in Chamberlin's publication (1952b) in the figure capture to fig. 36. However, there is no species description. According to Article 13 of the ICZN, the name '*A. fortinus*' is therefore a **nomen nudum**. Hoffman discussed this case (1983: 35); apparently Chamberlin's collections contained more material labeled '*fortinus*.' Such material may now be at the USNM. Hoffman's (1983: 34, 1999: 388) assumption that the name '*fortinus*' is '... apparently based on the same type material' as *eutypus* (see below) is incorrect.

Euryuridae: *Amplinus leon* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 574.

Holotype — (H.S. Dybas, Jun 15, 1941), México, Nuevo León State, Monterrey; **Jar 6A, 527/ 1 FEMALE**

Note: Hoffman (1999: 386) questions the validity of the locality data.

Euryuridae: *Amplinus mimus* Chamberlin, 1953. Proceedings of the Biological Society of Washington, 66: 68

Holotype — (H.S. Dybas 1928), Honduras, Cortes Prov., San Pedro Sula; **Jar 6A, 529/ 1 FEMALE**

Note: Hoffman (1999: 387) questions the validity of the species and compares it to *A. orphinus* Chamberlin, 1922 and *A. manni* Chamberlin, 1922.

Euryuridae: *Amplinus orphnius* Chamberlin, 1922. Proceedings of the U.S. National Museum, 60(8): 42

Paratype — (K.P. Schmidt and L. Walters, 1920), Honduras, Cortes Prov., San Pedro Sula, 4500ft; **Jar 6A, 6244/ 1 FEMALE**

Note: The specimen label is not clearly readable. The handwriting appears to be Chamberlin's, who wrote a different genus name on the label. The label states

paratype. The listing of the type material in the original description is ambiguous. According to Hoffman (1999: 387) the MALE holotype was deposited at the USNM.

Euryuridae: *Amplinus schmidtii* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 576.

Holotype, paratypes — (K.P. Schmidt, Feb 13, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 6A, 535/** 1 MALE holotype 2 FEMALE paratypes

Euryuridae: *Amplinus tajumulco* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 576

Holotype — (K.P. Schmidt, Feb 16, 1904), Guatemala, Dept. San Marcos, Volcán Tajumulco 7000–9000ft; **Jar 6A, 528/** 1 MALE

Euryuridae: *Amplinus zuniulus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 577.

Holotype — (J. Steyerm, Jan 31, 1940), Guatemala, Dept. Solola, Finca Monte Cristo Volcán Zunil; **Jar 6A, 534/** 1 MALE

Note: Hoffman (1999: 389) emended the species name to zunilus.

*Anoplodesmus* Pocock, 1895

Paradoxosomatidae: *Anoplodesmus loebli* Golovatch, 2000. Arthropoda Selecta, 8(4): 218.

Paratype — (I. Löbl & F. Calame, March 27, 1993), Malaysia, Pahang, Cameron Highlands, trail 9, 1400m; **Jar 6U, 6221/** 1 MALE

*Aphelidesmus* Brölemann, 1898

Note: Genus *Aphelidesmus* is placed in the family Aphelidesmidae (Hoffman, 1998c: 135; 1999: 384).

Pratinidae: *Aphelidesmus major* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 581–582.

*Polylepsiscus major*, — Hoffman (1964: 171, 1999: 391)

Holotype — (K.P. Schmidt, Apr 18, 1934), Guatemala, Dept. Izabal, Escobas, Puerto Barrios; **Jar 6B, 940/** 1 FEMALE

Euryuridae: *Aphelidesmus taurinus* Loomis, 1964. Fieldiana, Zoology, 47: 51–52

Holotype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6B, 538/** 1 MALE

Paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6B, 537/** 1 FEMALE [2 FEMALES listed in species description]

***Aporiaria* Chamberlin, 1938**

Note: Chamberlin (1943b: 143) considered the genus *Aporiaria* as a junior subjective synonym of *Rhysodesmus* Cook, 1895, family Xystodesmidae (see Hoffman, 1999: 342). He transferred species from the eastern US assigned to *Aporiaria* to the genus *Boraria* Chamberlin, 1943c (see also Hoffman, 1965: 315; 1980: 158; 1999: 337).

NF: *Aporiaria brunnior* Chamberlin, 1943. Proceedings of the Biological Society of Washington 56: 37

Holotype — (J. Miller, Jun 5, 1941), USA, Tennessee, Sevier County, Gt. Smoky Mts National Park; **Jar 6B, 2029/** 1 MALE

Note: Listed as a possible junior subjective synonym of *Boraria infesta* (Chamberlin, 1918) in Hoffman (1965: 308; 1999: 337).

NF: *Aporiaria fumans* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 37

Holotype, paratype — (H.S. Dybas, Jun 13–19, 1942), USA, Tennessee, Sevier County, Gt. Smoky Mts National Park, Greenbriar Cove; **Jar 6B, 2028/** 1 MALE, 1 FEMALE

Note: Synonymized with *Boraria stricta* Brölemann, 1896 by Hoffman (1965: 318).

***Aymaresmus* Chamberlin, 1941**

Note: Genus *Aymaresmus* is considered a junior subjective synonym of *Barydesmus* Cook, 1896 (Platyrrhacidae, Barydesmini) (Hoffman, 1980: 163).

Platyrrhacidae: *Aymaresmus tampocus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 580–581.

Holotype — (W.H. Osgood, Jun 29, 1912), Peru, Poco Tambo; **Jar 6B, 915/** 1 MALE [right gonopod missing]

***Barathrodesmus* Loomis, 1975**

Note: Genus *Barathrodesmus* is considered of uncertain status and family position according to Hoffman (1980: 186). Genus and species not listed in Hoffman, 1999.

\* Paradoxosomatidae: *Barathrodesmus inflatus* Loomis, 1975. Florida Entomologist, 58: 176

Paratypes — (S.&J. Peck, Dec 26, 1972), Jamaica, St. Ann Parish, 1 mi. S of Claremont; **Jar 6T, 1392/** 25+: MALES, FEMALES, juv

Paratypes — (S.&J. Peck, Dec 26, 1972), Jamaica, St. Ann Parish, 1 mi. S of Claremont; **Jar 6T, 1393/** 25+: MALE, FEMALE, juv

Paratypes — (S.&J. Peck, Dec 30, 1972), Jamaica, St. Ann Parish, 1 mi S of Claremont; **Jar 6T, 1394/** 25+: MALE, FEMALE, juv [not listed in species descrip-



tion, no Dec 30 date]

Note: The holotype and several paratype series collected by S&J Peck in Jamaica (Jan 1, 1973; St. Thomas Parish, Whitfield Hall, 4200ft, 1 MALE holotype, 100+: MALE, FEMALE, juv paratypes; Dec 27, 1972, St. Thomas Parish, Blue Mt. Peak, 7400ft, 1 MALE, 2 FEMALES; Jan 1, 1973, St. Thomas Parish, Portland Gap, 5500ft, 8, FEMALE & MALE; Dec 28, 1972, St. Ann Parish, Mt. Diablo, 2100ft, 100 +: MALE, FEMALE, juv; Dec 27, 1972, St. Ann Parish, Mosley Hall Cave, near Guy's Hall, 1 FEMALE, 1 juv) are not located in Field Museum's collection.

***Berlesedemus*** Loomis, 1975

Note: Genus *Berlesedemus* is placed in the family Pyrgodesmidae (Hoffman, 1999: 474)

\*Cyrtodesmidae: *Berlesedemus flagellipes* Loomis, 1975. Florida Entomologist, 58: 169–170

Paratypes — (S&J Peck, Dec 26, 1972), Jamaica, St. Ann Parish, 1 mile south of Claremont, Thomas Parish; **Jar 6U, 1727**/ several MALES and FEMALES

Paratypes — (S&J Peck, Dec 30, 1972), Jamaica, Trelawny Parish, 5 miles north of Albertown; **Jar 6U, 1729**/ several MALES and FEMALES

Paratypes — (S&J Peck, Dec 28, 1972), Jamaica, St. Ann Parish, Mt. Diablo of Moneague; **Jar 6U, 1737**/ 1 MALE, 1 damaged specimen

Note: According to Hoffman (1999: 474) the holotype was deposited at FSCA. Species also recorded from several Jamaican parishes.

***Botrydesmus*** Loomis, 1934

Note: Genus *Botrydesmus* is placed in the family Pyrgodesmidae (Hoffman, 1980: 179, 1999: 475).

Stylodesmidae: *Botrydesmus biramosus* Loomis, 1964. Fieldiana, Zoology, 47: 68

Holotype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1026**/ 1 MALE

Stylodesmidae: *Botrydesmus conifer* Loomis, 1964. Fieldiana, Zoology, 47: 68–69.

Holotype — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., road west of Finca Palo Santo, near Nueva California, 4700ft; **Jar 6S, 1024**/ 1 MALE

Paratype — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., Finca Palo Santo 4750ft; **Jar 6S, 1023**/ 1 FEMALE

Paratypes — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., Finca Palo Santo 4750ft; **Jar 6S, 1027**/ 1 FEMALE, 6 juv [found with holotype]

***Brachydesmus*** Heller, 1858

Note: Genus *Brachydesmus* is considered 'a junior subjective synonym or a subgenus' of

*Polydesmus* Latreille, 1802 by Hoffman (1980: 173; 1999: 439). Djursvoll et al. (2000: 55) revalidate the genus.

Polydesmidae: *Brachydesmus pallidus* Loomis, 1939. Bulletin of the Museum of Comparative Zoology, Harvard University, 86: 191–192

Paratype — (K. Dearolf, Jul 3, 1937), USA, Virginia: Lawson Cave; **Jar 6B, 925/** 1 MALE, 1 FEMALE and fragments.

Paratype — (K. Dearolf, Sep 2, 1937), USA, West Virginia: Lakeland Cave; **Jar 6B, 926/** 3 MALES, FEMALE, 2 juv and fragments.

Note: Considered a junior subjective synonym of *Polydesmus superus* Latzel, 1884 by Chamberlin & Hoffman (1958: 64). According to Hoffman (1999: 442), the holotype was deposited at MCZ.

*Caliodesmus* Chamberlin, 1952

\*Cryptodesmidae: *Caliodesmus phanus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 556.

Holotype — (H.S. Dybas, Jul 30, 1937), Colombia, Valle del Cauca Prov., Cali; **Jar 6B, 459/** 1 MALE [right gonopod missing]

*Caraibodesmus* Chamberlin, 1918

Chelodesmidae: *Caraibodesmus acutipes* Loomis, 1975. Florida Entomologist, 58: 174

Note: The type specimens (holotype and paratype; S&J Peck, Dec 26, 1972, Jamaica, St. Ann Parish, 1 mi S. of Claremont, 1 MALE holotype, 1 juv paratype) were not located in Field Museum's collection. According to Hoffman (1999: 268) the holotype was deposited at FSCA.

Chelodesmidae: *Caraibodesmus sculpturatus* Loomis, 1975. Florida Entomologist, **58**: 174–175

Paratypes — (S&J Peck, Dec 26, 1972), Jamaica, St Ann Parish, Mt. Diablo, 2500ft; **Jar 6U, 6222/** 1 MALE, juv.

Paratypes — (S&J Peck, Dec 26, 1972), Jamaica, St Ann Parish, Mt. Diablo, 2500ft; **Jar 6U, 6223/** 1 MALE

Paratypes — (S&J Peck, Dec 26, 1972), Jamaica, St Ann Parish, Mt. Diablo, 2500ft; **Jar 6U, 6224/** numerous FEMALE and juv

Note: According to Hoffman (1999: 271) the male holotype was deposited at FSCA.

*Catapleuradesmus* Loomis, 1964

Note: Genus *Catapleuradesmus* is placed in the family Pyrgodesmidae (Hoffman, 1980: 178, genus name misspelled as *Catapleurodesmus*; Hoffman: 1999: 478).

\*Stylodesmidae: *Catapleuradesmus diadematus* Loomis, 1964. Fieldiana, Zoology, 47: 72



Holotype, paratype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1025**/ 1 MALE [possibly includes fragments of another body]

***Chondrodesmus*** Silvestri, 1897

Note: Genus *Chondrodesmus* is placed in the family Chelodesmidae (Hoffman, 1980: 153, 1999: 270).

Eurydesmidae: *Chondrodesmus araguanus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 567.

Holotype, paratype — (Padre Cornelio Vogl, 1940), Venezuela, Aragua Prov., Hacienda la Trinidad, near Maracay; **Jar 6C, 265**/ 2 MALES, 3[fragments]

***Colomborus*** Chamberlin, 1952

Note: Genus *Colomborus* is placed in the family Platyrrhacidae (Hoffman, 1980: 164).

\*Euryuridae: *Colomborus martanus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 578.

Holotype, paratypes — (H.W. Howland, Jul–Aug, 1902), Colombia, Dept. Magdalena, Santa Marta and Manzanaris, Rio Ronda, 8 specimens; **Jar 6B, 577**/ 1 MALE, 4 juv

***Cyclopsodesmus*** Loomis, 1964

Note: Genus *Cyclopsodesmus* is placed in the family Fuhrmannodesmidae (Hoffman, 1980: 177, 1999: 466).

Trichopolydesmidae: *Cyclopsodesmus geniculatus* Loomis, 1964. Fieldiana, Zoology, 47: 82–83

Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 7000ft; **Jar 6C, 1043**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta, 7000ft; **Jar 6C, 1049**/ 1 MALE, 2 FEMALES, 4 juv [5 juv, in species description]

Trichopolydesmidae: *Cyclopsodesmus octosetosus* Loomis, 1964. Fieldiana, Zoology, 47: 83

Holotype — (H.S. Dybas, Mar 6, 1959), Panamá, Chiriquí Prov., Cerro Punta, 6900ft; **Jar 6C, 1050**/ 1 MALE, 2 juv

\*Trichopolydesmidae: *Cyclopsodesmus scaurus* Loomis, 1964. Fieldiana, Zoology, 47: 81–82

Holotype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Barca area,” 5650ft; **Jar 6C, 1048**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6C, 1044**/ 1 FEMALE, 8 juv

Paratype — (H.S. Dybas, Mar 6, 1959), Panamá, Chiriquí Prov., Cerro Punta, 6250ft; **Jar 6C, 1045/** 1 FEMALE, [juv]

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6C, 1046/** 1 MALE, 1 FEMALE

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6C, 1047/** 1 MALE, 1 FEMALE, 1 juv

***Cylindrogonus*** Loomis, 1964

Note: Genus *Cylindrogonus* is placed in the family Furmannodesmidae (Hoffman, 1980: 177, 1999: 466).

\*Trichopolydesmidae: *Cylindrogonus copiosus* Loomis, 1964. Fieldiana, Zoology, 47: 84–86

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, Casita Alta, forest floor litter, 7750ft; **Jar 6C, 1041/** 1 MALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6C, 1036/** 30+: MALE, FEMALE, juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6C, 1037/** 25+: MALE, FEMALE, juv

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6C, 1038/** 25+: MALE, FEMALE, juv

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6C, 1039/** 3 MALES, 1 juv, MALE ?

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6C, 1040/** 20+: MALE, FEMALE, juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6C, 1042/** 30+: MALE, FEMALE, juv

***Cyrtodesmus*** Gervais, 1847

Note: Genus *Cyrtodesmus* is placed in the family Cyrtodesmidae (Hoffman, 1980: 183, 1999: 501).

Cyrtodesmidae: *Cyrtodesmus bicolor* Loomis, 1964. Fieldiana, Zoology, 47: 37–38

Holotype? — (H.S. Dybas, Mar 9, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, near Nueva California, 4900ft; **Jar 6E, 495/** 1 FEMALE [label data do not agree with species description]

Paratype — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., west of Finca Palo Santo, near Nueva California: 4750ft; **Jar 6E, 493/** 2 FEMALES [3 FEMALES noted in species description]

Note: The number of specimens, and holotype and paratype designations are unclear. Hoffman (1999: 503) places this species under 'Cyrtodesmidae of uncertain generic position.'

Cyrtodesmidae: *Cyrtodesmus bifurcus* Loomis, 1964. Fieldiana, Zoology, 47: 38–40.

Holotype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 497/ 1 MALE**

Paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 491/ 2 MALES**, 8 juv

Paratype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 496/ 1 FEMALE** [1 MALE noted in species description]

Cyrtodesmidae: *Cyrtodesmus confluentus* Loomis, 1964. Fieldiana, Zoology, 47: 40–42

Paratype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 492/ 1 FEMALE**

Note: According to Hoffman (1999: 502) the male holotype was deposited at USNM.

Cyrtodesmidae: *Cyrtodesmus coronatus* Loomis, 1964. Fieldiana, Zoology, 47: 42–43

Holotype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 494/ 1 MALE**

Paratypes — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 498/ 1 FEMALE**, 10 juv

Paratype — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 499/ 1 FEMALE**

Cyrtodesmidae: *Cyrtodesmus dentatus* Loomis, 1964. Fieldiana, Zoology, 47: 43–44

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, 7800ft; **Jar 6E, 490/ 1 MALE**

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6E, 489/ 2 FEMALES**, 3 juv

Paratype — (H.S. Dybas, Mar 12, 1959), Panamá, Chiriquí Prov., El Velo Forest, Finca Lerida, 5600(–5650)ft; **Jar 6E, 500/ 1 FEMALE**

Paratype — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6E, 501/ 1 FEMALE**

Paratype — (G.A. Solem, Mar 12, 1959), Panamá, El Velo Forest, Finca Lerida, (5600–5650ft); **Jar 6E, 502/ 1 MALE**

Note: Data on the vial label and data given in species description do not match.

Cyrtodesmidae: *Cyrtodesmus depilis* Loomis, 1964. Fieldiana, Zoology, 47: 44–46

Holotype — (G.A. Solem, Mar 16, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, 7200ft; **Jar 6D, 481/ 1 MALE**

Cyrtodesmidae: *Cyrtodesmus hispidulosus* Loomis, 1964. Fieldiana, Zoology, 47: 46–47  
Holotype — (G.A. Solem, Mar 9, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, near Nueva California, 4900ft; **Jar 6D, 477/** 1 MALE  
Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7600ft; **Jar 6D, 482/** 3 juv  
Paratype — (G.A. Solem, Mar 10, 1959), Panamá, Chiriquí Prov, 9.7 miles south of El Volcán, 2750ft, 1 MALE, 1 FEMALE juv  
Note: According to Loomis (1964: 8) some paratypes were deposited at USNM. The label data and data given in species description for all specimens do not match fully.

Cyrtodesmidae: *Cyrtodesmus lyrapes* Loomis, 1964. Fieldiana, Zoology, 47: 47–48  
Holotype, paratypes — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6D, 487/** 1 MALE holotype, 4 juv paratypes  
Note: The paratype collected by H.S. Dybas (Mar 5, 1959, Panamá, Chiriquí Prov., road west of Finca Palo Santo, near Nueva California, 4700ft, 1 FEMALE) was not found in the collection. According to Loomis (1964: 8) some paratypes were deposited at USNM.

Cyrtodesmidae: *Cyrtodesmus macrosetosus* Loomis, 1964. Fieldiana, Zoology, 47: 48–49  
Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6D, 488/** 1 MALE  
Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6D, 478/** 1 FEMALE, 3 juv [vial label states: may also contain 1 MALE, 2 juv (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, 6900ft]  
Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6D, 483/** 1 MALE, 1 FEMALE  
Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 2400ft; **Jar 6D, 486/** 1 FEMALE, 3 juv [data on label not fully congruent with data in species description]

Cyrtodesmidae: *Cyrtodesmus mundus* Loomis, 1964. Fieldiana, Zoology, 47: 49–50  
Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6D, 1300/** 1 MALE  
Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6D, 480/** 1 MALE  
Paratype — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, 6900ft; **Jar 6D, 484/** 1 MALE  
Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida,

7800ft; **Jar 6D, 485/** 2 FEMALES [not described in the text]

Note: Paratypes collected by H.S. Dybas in Panamá, Chiriquí Prov., Finca Lerida, 7800ft (Mar 17, 1959, 1 MALE, 1 FEMALE; Mar 14, 1959, 1 FEMALE; Mar 15, 1959, 1 MALE, 1 FEMALE) were not located in the collection. According to Loomis (1964: 8) some paratypes were deposited in the USNM.

***Diaphanacme*** Loomis, 1964

\*Cryptodesmidae: *Diaphanacme latus* Loomis, 1964. Fieldiana, Zoology, 47: 32

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle 2400ft; **Jar 6f, 461/** 1 MALE

Note: Paratypes collected by H.S. Dybas in Panamá (Feb 23, 1959, Cocle Prov., El Valle 2400ft, 2 juv; Mar 27, 1959, Bocas del Toro Prov., Almirante, 1 MALE) were supposedly deposited in the USNM (Loomis, 1964: 8).

***Docodesmiella*** Loomis, 1961

Note: Genus *Docodesmiella* is placed in the family Pyrgodesmidae (Hoffman, 1980: 180, 1999: 481).

Chytodesmidae: *Docodesmiella magna* Loomis, 1964. Fieldiana, Zoology, 47: 20–21

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, 7800ft; **Jar 6T, 361/** 1 MALE

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6T, 360/** 6 MALES, 1 FEMALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida 7800ft; **Jar 6T, 362/** 8 MALES, 7 FEMALES

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6T, 364/** 30+: MALE, FEMALE, juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6T, 365/** 2 MALES, 1 FEMALE

Paratypes — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 6900ft; **Jar 6T, 366/** 3 MALES, 2 FEMALES, 1 juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Barca area,” 5650ft; **Jar 6T, 367/** 6 MALES, 3 FEMALES

Paratypes — (H.S. Dybas, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Barca area,” 5650ft; **Jar 6T, 368/** 2 MALES, 1 FEMALE #3 MALES

Chytodesmidae: *Docodesmiella spathulata* Loomis, 1964. Fieldiana, Zoology, 47: 21–24

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 7750ft; **Jar 6T, 359/** 1 MALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 7750ft; **Jar 6T, 355/** 170 (MALE, FEMALE, juv)

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6T, 353/** 6 MALES, 2 FEMALES, numerous juv

Paratypes — (H.S. Dybas, Mar 6, 1959), Panamá, Chiriquí Prov., Finca Lerida; **Jar 6T, 354/** 5 MALES

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6T, 356/** 1 MALE

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6T, 357/** 1 MALE

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6T, 358/** 5 MALES, 2 FEMALES #1 juv

Paratypes — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov., Finca Lerida 6900ft; **Jar 6T, 363/** 7 MALES, 7 FEMALES

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida 7750ft; **Jar 6T, 369/** 1 MALE

Paratypes — (H.S. Dybas, Mar 6, 1959), Panamá, Chiriquí Prov., Finca Palo Santo; **Jar 6T, 370/** 6 MALES

#### ***Docodesmus*** Cook, 1896

Note: Genus *Docodesmus* is placed in the family Pyrgodesmidae (Hoffman, 1999: 482).

Chytodesmidae: *Docodesmus coxalis* Loomis, 1975. Florida Entomologist, 58: 170–172

Paratypes — (S&J Peck, Dec 28, 1973), Jamaica, St. Ann Parish, Mt. Diablo, south of Moneague; **Jar 6U, 1739/** 1 MALE, 1 piece of an animal

Note: According to Hoffman (1999: 483) the holotype (S&J Peck, Dec 26, 1972, Jamaica, 1 mi S. of Claremont, 1 MALE) was deposited at FSCA.

#### ***Epeloria*** Chamberlin, 1939

Note: According to Hoffman (1980: 158, 1999: 369) and Shelley (1984: 473) *Epeloria* Chamberlin, 1939 is a junior subjective synonym of *Dicellarius* Chamberlin, 1920, family Xystodesmidae.

NF: *Epeloria fictus* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 37

*Dicellarius bimaculatus fictus*, — Hoffman, 1999: 370

Holotype — (Dr. H. Field, Apr 5–10, 1940), USA, Georgia, Thomas County, Thomasville; **Jar 6U, 6226/** 1 MALE

Paratype — (Dr. H. Field, Apr 5–10, 1940), USA, Georgia, Thomas County, Thomasville; **Jar 6U, 6227/** 1 FEMALE

#### ***Euphalus*** Chamberlin, 1952

Note: Genus *Euphalus* is considered a junior subjective synonym of *Neoleptodesmus* Carl, 1903 (Hoffman, 1980: 165, 1999: 424).



\*Rachodesmidae: *Euphallus dybasi* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 560.

Holotype, paratype — (H.S. Dybas, Jun 10, 1941), México, Veracruz State, El Fortin, 3,000ft/ 1 MALE, 1 FEMALE paratype.

Note: All material listed in Chamberlin's 1952 publication (1952b: 553) is supposed to be deposited at the Field Museum, see also Hoffman (1999: 424, and notes therein). The specimens were not located in the collection. Loomis (1968: 37) listed *E. dybasi* as a synonym of *Neoleptodesmus aztecus* deSaussure, 1859, crediting R. L. Hoffman (see Loomis, 1968: 2) as personal communication.

***Euplinus* Chamberlin, 1952**

Note: Genus *Euplinus* is considered a junior subjective synonym of *Polylepiscus* Pocock, 1909 (Hoffman, 1980: 164, 1999: 390); placed in the family Aphelidesmidae (Hoffman, 1999: 389)

\*Euryuridae: *Euplinus volcanicola* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 580.

Holotype, paratype — (K.P. Schmidt, Feb 21, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco, 4000–6500ft; **Jar 6S, 532/** 1 MALE, 1 FEMALE

Note: All material listed in Chamberlin's 1952 publication (1952b: 553) is supposed to be deposited at the Field Museum. One MALE paratype (K.P. Schmidt, Mar 5, 1934, El Porudnir, San Marcos) was not located in Field Museum's collection. Hoffman (1954: 52; 1999: 390) considers *E. volcanicola* a junior subjective synonym of *Polylepiscus furcifer* Pocock, 1909.

***Eurymerodesmus* Brölemann, 1900**

Note: Placed in the family Eurymerodesmidae (Causey, 1951: 69; Chamberlin & Hoffman, 1958: 78; Hoffman, 1980: 159; 1999: 293; Shelley, 1990: 38)

NF: *Eurymerodesmus dubius* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 38

Holotype, paratype — (K.P. Schmidt, Apr 16, 1941), USA, Arkansas, Pike County, Delight; **Jar 6G, 522/** 1 MALE, 1 juv

NF: *Eurymerodesmus schmidtii* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 38

Syntypes — (K.P. Schmidt, Mar 22, 1938), USA, Arkansas, Polk County, Rich Mt., 2400ft; **Jar 6H, 517/** 2 MALES, 8 juv

Paratypes — (K.P. Schmidt, Mar 21, 1938), USA, Arkansas, Polk County, Rich Mt., 2800ft; **Jar 6G, 519/** 1 MALE, 3 FEMALES?

Paratypes — (K.P. Schmidt, Mar 22, 1938), USA, Arkansas, Polk County, Rich Mt., 2800ft; **Jar 6G, 524/** MALE [fragments of two more milipedes]

Note: Shelley (1990: 74) synonymized this species with *Eurymerodesmus birdi* Chamberlin, 1931, see Hoffman (1999: 294).

***Hubroria* Keeton, 1960**

Note: Genus *Hubroria* is considered a synonym of *Sigmoria* (*Falloria*) by Shelley & Whitehead (1986: 106) or *Falloria* Hoffman, 1948 by Hoffman (1999: 321).

\*Xystodesmidae: *Hubroria picapa* Keeton, 1960. Bulletin of the Brooklyn Entomological Society, 55: 43.

Paratypes — (B. Benesh, June 1949), USA, Tennessee, Morgan County, 2.3 miles north-northeast of Sunbright, **Jar 6G, 2125/** 1 MALE, 2 FEMALES

Note: The male holotype was deposited in the USNM (Keeton, 1960: 43) but could not be located by Shelley & Whitehead (1986: 130).

***Hypsiloporus* Loomis, 1961**

Note: Genus *Hypsiloporus* is listed by Hoffman (1999: 253, 1999: 452) in the family Haplodesmidae.

Comodesmidae: *Hypsiloporus erosus* Loomis, 1964. Fieldiana, Zoology, 47: 27–28

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Coclé Prov., El Valle, trail to Las Minas, 2400–2600ft; **Jar 6G, 1073/** 1 MALE

Paratypes — (H.S. Dybas, Feb 23, 1959), Panamá, Chiriquí Prov., El Valle, trail to Las Minas, 2400–2600ft; **Jar 6G, 1075/** 25+: MALE, FEMALE, juv

Comodesmidae: *Hypsiloporus montanus* Loomis, 1964. Fieldiana, Zoology, 47: 28–29

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 7750ft; **Jar 6G, 1076/** 1 MALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Casita alta,” 7750ft; **Jar 6G, 1067/** 2 MALES, 3 FEMALES

Paratypes — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punto, 7000ft; **Jar 6G, 1068/** 3 FEMALES

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6G, 1069/** 3 FEMALES 1 juv

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6G, 1070/** 25+: 24 FEMALES, juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6G, 1071/** 2 FEMALES

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6G, 1072/** 2 juv

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6G, 1074/** 15+: 13 FEMALES, juv



Comodesmidae: *Hypsiloporus serratus* Loomis, 1964. Fieldiana, Zoology, 47: 29

Holotype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante **Jar 6G, 455/** 1 MALE

Paratype — (H.S. Dybas, Mar 24, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6G, 633/** 1 MALE [broken]

Note: Other paratypes collected by H.S. Dybas in Panamá, Bocas del Toro Prov., Almirante (Mar 27, 1959, 2 juv; Mar 30, 1959, 1 FEMALE fragment) were not located in Field Museum's collection. According to Loomis (1964: 8) some paratypes were deposited at USNM.

*Iguazus* Chamberlin, 1952

Note: Genus *Iguazus* is placed in the family Chelodesmidae (Hoffman, 1980: 154).

\*Eurydesmidae: *Iguazus leiurus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 567–568.

Holotype, paratype — (Marshall Field Expedition), Argentina, Iguazu Falls; **Jar 6G, 274/** 1 MALE [head only with few segments; species description lists 2 MALES, 6 FEMALES]

*Inodesmus* Cook, 1896

Note: The identity and family position of the genus *Inodesmus* is currently unresolved (see Hoffman, 1980: 174, 1999: 507. Loomis (1969: 145) designated *I. globulosus* as the type species of his new genus *Hypsoporus*, which was synonymized by Enghoff (1978: 80) with *Cylindrodesmus*.

\*Conotylidae: *Inodesmus globulosus* Loomis, 1964. Fieldiana, Zoology, 47: 30

Holotype — (H.S. Dybas, Feb 15, 1959), Panamá, Panamá Prov., Las Cumbres, home of Dr. G.B. Fairchild; **Jar 6I, 456/** 1 FEMALE

Paratypes — (H.S. Dybas, Feb 15, 1959), Panamá, Panamá Prov., Las Cumbres; **Jar 6I, 453/** 25+: FEMALES

Paratypes — (H.S. Dybas, Feb 15, 1959), Panamá, Panamá Prov., Las Cumbres; **Jar 6I, 454/** 25+: FEMALES

Note: Synonymized with *Cylindrodesmus laniger* Schubart, 1945 by Enghoff (1978: 80; see also Hoffman, 1999: 452)

*Iphyria* Chamberlin, 1941

Note: Genus *Iphyria* is placed in family Chelodesmidae (Hoffman, 1980: 153).

Eurydesmidae: *Iphyria rubripes* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 571.

Holotype — (Asybold and Anderson, May 8, 1912), Peru, Hacienda Limon, 10mi W of Balzas; **Jar 6I, 273/** 1 FEMALE

*Irazunus* Attems, 1933

Note: Genus *Irazunus* is placed in the family Fuhrmannodesmidae (Hoffman, 1980: 178, 1999: 468).

Trichopolydesmidae: *Irazunus chiriquensis* Loomis, 1964. Fieldiana, Zoology, 47: 87–88

Holotype — (H.S. Dybas, Mar 10, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 5600ft; **Jar 6I, 1035**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 6, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 4900ft; **Jar 6I, 1028**/ 1 MALE, 13 FEMALES, 1 juv

Paratype — (H.S. Dybas, Mar 10, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 5000ft; **Jar 6I, 1030**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 10, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 4900ft; **Jar 6I, 1031**/ 3 FEMALES

Paratypes — (H.S. Dybas, Mar 5, 1959), Panamá, Chiriquí Prov., Finca Palo Santo, 4750ft; **Jar 6I, 1033**/ 30+: MALES, FEMALES, juv)

Trichopolydesmidae: *Irazunus ovatus* Loomis, 1964. Fieldiana, Zoology, 47: 88–89

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6I, 1032**/ 1 MALE

Note: The paratype (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft 1 MALE) was not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

Trichopolydesmidae: *Irazunus penicilatus* Loomis, 1964. Fieldiana, Zoology, 47: 89–90

Holotype — (H.S. Dybas, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5600ft; **Jar 6I, 1034**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6I, 1029**/ 2 MALES, 3 FEMALES, 3 juv [4 MALES noted on label & in species description]

Trichopolydesmidae: *Irazunus uncus* Loomis, 1964. Fieldiana, Zoology, 47: 90–91

Holotype — (H.S. Dybas, Mar 25, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6J, 1051**/ 1 MALE [species description states Mar 27]

Paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6J, 1056**/ 4 MALES, 4 FEMALES, 4 juv [1 MALE missing gonopods]

Paratypes — (H.S. Dybas, Mar 23, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6J, 1057**/ 15 MALES, 1 FEMALE, 10 juv [species description states Mar 27]

Note: The paratypes (H.S. Dybas, Apr 1, 1959, Panamá, Bocas del Toro Prov., Almirante/ 4 specimens) were not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

Trichopolydesmidae: *Irazunus velaripes* Loomis, 1964. Fieldiana, Zoology, 47: 91–92

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, trail to Las Minas, 2400ft; **Jar 6J, 1052/** 1 MALE

Paratype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, 2400ft; **Jar 6J, 1053/** 1 MALE, 1 juv

Paratypes — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, 2400ft; **Jar 6J, 1054/** 3 MALES, 1 FEMALE, 3 juv

Paratypes — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, 2200–2400ft; **Jar 6J, 1055/** 1 MALE

*Irogonus* Loomis, 1964

Note: Genus *Irogonus* is placed in the family Fuhrmannodesmidae (Hoffman, 1980: 178, 1999: 469).

\*Trichopolydesmidae: *Irogonus reniformis* Loomis, 1964. Fieldiana, Zoology, 47: 92–93

Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta 6900ft; **Jar 6J, 1061/** 1 MALE

*Leiogonopus* Loomis, 1964

Note: Genus *Leiogonopus* is placed in the family Fuhrmannodesmidae (Hoffman, 1980: 178, 1999: 469).

Trichopolydesmidae: *Leiogonopus bidentatus* Loomis, 1964. Fieldiana, Zoology, 47: 96

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Cocle Prov., El Valle, road to Las Minas 2400ft; **Jar 6J, 1060/** 1 MALE [listed as a FEMALE in the species description].

\*Trichopolydesmidae: *Leiogonopus echinus* Loomis, 1964. Fieldiana, Zoology, 47: 94–96

Holotype — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6J, 1058/** 1 MALE

Note: The paratype (H.S. Dybas, Apr 1, 1959, Panamá, Bocas del Toro Prov., Almirante, 1 MALE) was not located in Field Museum's collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

*Leptodesmus* deSaussure, 1959

Note: Genus *Leptodesmus* is placed in the family Chelodesmidae, Chelodesminae, Leptodesmini (Hoffman, 1980: 152).

Eurydesmidae: *Leptodesmus piraputangus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 569–570.

Syntypes — (Jul 22, 1926), Brazil, Mato Grosso, Priaputango; **Jar 6J, 264/** 1 MALE?, 3 fragments [5 specimens cited in species description].

Eurydesmidae: *Leptodesmus therezopolis* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 568–569.

Holotype, paratypes — (Marshall Field, Jul 5, 1926), Brazil, Rio N of Therezopolis 3500ft; **Jar 6J, 270**/ 2 MALES, 1 fragment [4 MALES and 1 FEMALE cited in species description]

***Lignydesmus*** Cook, 1896

Oniscodesmidae: *Lignydesmus projectus* Loomis, 1964. Fieldiana, Zoology, 47: 57–58

Holotype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6K, 807**/ 1 MALE

Paratype — (G.A. Solem, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida, 5650ft; **Jar 6K, 808**/ 1 MALE

Paratype — (G.A. Solem, Mar 12, 1959), Panamá, Chiriquí Prov., Finca Lerida, El Velo forest, 5650ft; **Jar 6K, 809**/ 1 FEMALE

Paratype — (G.A. Solem, Mar 12, 1959), Panamá, Chiriquí Prov., Finca Lerida, Barca area, 5650ft; **Jar 6K, 810**/ 1 FEMALE [species description lists H.S. Dybas as collector]

Paratype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7800ft; **Jar 6K, 811**/ 2 juv [found with holotype, not mentioned in text according to the label]

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida, “Barca area,” 5650ft; **Jar 6K, 812**/ 1 juv

Paratype — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6K, 813**/ 1 FEMALE

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov., Finca Lerida, 7750ft; **Jar 6K, 814**/ 2 juv

Note: Paratypes collected by H.S. Dybas in Panamá, Chiriquí Prov., Finca Lerida, 5650ft (Mar 12, 1959, 1 MALE, 1 FEMALE; Mar 18, 1959, 1 FEMALE) were not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

***Metaphallus*** Chamberlin, 1952

\*Rachodesmidae: *Metaphallus mimus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 562.

Holotype, paratypes — (K.P. Schmidt, Feb 4–7, 1934, Guatemala, Dept. Chimaltenango, Chichivac/ 1 MALE holotype and additional specimens.

Note: All material listed in Chamberlin's 1952 publication (1952b: 553) is supposed to be deposited at the Field Museum, see also Hoffman (1999: 423). The specimens were not located in the collection.

*Nearctoma* Chamberlin, 1952

Note: Genus *Nearctoma* is considered a junior subjective synonym of *Mestosoma* Silvestri, 1897 according to Hoffman, (1980: 171, 1999: 433), placed in the family Paradoxosomatinae.

Strongylosomidae: *Nearctoma araguanum* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 582–583.

Holotype, paratypes — (Padre Cornelio Vogl), Venezuela, Hacienda la Trinidad near Maracay, Aragua; **Jar 6K, 939/** 1 MALE holotype, 1 FEMALE paratypes, fragment

\*Strongylosomidae: *Nearctoma cuzconum* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 583–584.

Holotype — (K.P. Schmidt, Sep 15, 1939), Peru, Hacienda Urco near Calca, Cusco; **Jar 6K, 1017/** 1 MALE

*Nyssodesmus* Cook, 1896

Platyrrhacidae: *Nyssodesmus concolor* Loomis, 1964. Fieldiana, Zoology, 47: 59–60

Holotype, paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante, found “in large dog”; **Jar 6L, 924/** 1 MALE holotype, 1 FEMALE, some fragments paratypes.

*Ophrydesmus* Cook, 1896

Note: Genus *Ophrydesmus* is placed in the family Cryptodesmidae (Hoffman, 1980: 175).

Pterodesmidae: *Ophrydesmus exilis* Hoffman, 1973. Fieldiana, Zoology, 62(2): 23–25

Holotype — (F.G. Werner, May 10–17, 1947), Philippines, Palawan Island, S slope of Mt. Balabag, 4200ft; **Jar 6K, 938/** 1 FEMALE

*Pachygonopus* Loomis, 1964

Note: Genus *Pachygonopus* is placed in the family Fuhrmannodesmidae (Hoffman, 1980: 178, 1999: 470).

\*Trichopolydesmidae: *Pachygonopus apiculatus* Loomis, 1964. Fieldiana, Zoology, 47: 97

Holotype — (H.S. Dybas, Apr 1, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6K, 1059/** 1 MALE

*Pantanalodesmus* Hoffman, 2000

\*Chelodesmidae: *Pantanalodesmus marinezae* Hoffman, 2000. Myriapodologica, 7(1): 6.

Paratypes — (J. Adis et al., 20 October 1998), Brazil, Mato Grosso, Fazenda Ipiranga, km 10 on the Transpantanal Highway, near Poconé, under *Scheelia phalerata* litter; **Jar 6R, 6213/** 1 MALE; **Jar 6R, 8274/** 1 FEMALE.

Note: The male holotype is deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil [MZSP].

***Pastazina*** Vohland, 1998

\*Aphelidesmidae: *Pastazina crassa* Vohland, 1998. Amazoniana, 15(1/2): 144.

Holotype — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6230/** 1 MALE

Paratype — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6231/** 1 FEMALE

Paratype — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6232/** 1 FEMALE

Paratypes — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6233/** 2 FEMALES

Paratypes — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6234/** 3 specimens

Paratypes — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6235/** 3 specimens

Paratypes — (B. Malkin, May 22, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puyo; **Jar 6V, 6236/** 1 MALE

Note: In the species description the repository for the type specimens is given as VMNH. However, the original collecting labels in the vials identify the material as Field Museum property.

***Pinesmus*** Chamberlin, 1943

Note: Genus *Pinesmus* is placed in the family Cryptodesmidae (Hoffman, 1980: 175, 1999: 457).

Peridodontodesmidae: *Pinesmus monticolens* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 558–559.

Holotype — (K.P. Schmidt, Feb 13, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 6K, 910/** 1 MALE

Note: Species not listed in Hoffman, 1999.

Peridodontodesmidae: *Pinesmus viganus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 559.

Syntypes — (H.S. Dybas, Jun 30, 1941), México, Veracruz State, Las Vigas, 5500ft; **Jar 6K, 909/** 2 MALES 5 FEMALES [species description cites a MALE holotype and three additional specimens]

Note: Species not listed in Hoffman, 1999.

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***Phorositus*** Chamberlin, 1952

Note: Genus *Phorositus* is considered a junior subjective synonym of *Aceratophallus* Carl, 1903, and placed in the Rhachodesmidae (Hoffman, 1980: 165, 1999: 418)

\*Rhachodesmidae: *Phorositus granulifer* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 562.

Types — (K.P. Schmidt, Feb 24, 1934), Guatemala, Volcán Tajumulco, 3 MALES, 6 FEMALES.

Note: Types not located in the collection. All material listed in Chamberlin's 1952 publication (1952b: 553) is supposed to be deposited at the Field Museum, see also Hoffman (1999: 423).

***Platyrrhacus*** Koch, 1847

Platyrrhacidae: *Platyrrhacus callius* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 581.

Holotype — (H.S. Dybas, Jun 30, 1947), Colombia, Valle del Cauca Prov., Cali;  
**Jar 6M, 916/ 1 MALE**

Platyrrhacidae: *Platyrrhacus gracilipes* Loomis, 1964. Fieldiana, Zoology, 47: 60

*Barydesmus gracilipes*, — Hoffman, 1999: 394.

Holotype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punto 6600ft; **Jar 6M, 1064/ 1 MALE**

Paratype — (G.A. Solem, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida 5650ft; **Jar 6M, 914/ 1 MALE**

Paratype — (H.S. Dybas, Mar 8, 1959), Panamá, Chiriquí Prov., Cerro Punta 5600ft; **Jar 6M, 1062/ 1 FEMALE**

Paratype — (H.S. Dybas, Mar 7, 1959), Panamá, Chiriquí Prov., Cerro Punta 6600ft; **Jar 6M, 1065/ 1 FEMALE**

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida 5650ft; **Jar 6M, 1066/ 1 MALE**

***Polydesmorhachis*** Pocock, 1897

Platyrrhacidae: *Polydesmorhachis macropogon* Hoffman, 1975. Fieldiana, Zoology, 65: 78–82

Holotype — (F.G. Werner, May 10–14, 1949), Philippines, Palawan Island, Mantaligajan Range, S slope of Mount Balabag, 4200ft; **Jar 6M, 919/ 1 MALE** [label states May 17]

Paratypes — (F.G. Werner, May 10–14, 1949), Philippines, Palawan Island, Mantaligajan Range 4200ft; **Jar 6N, 917/ 5 MALES, 8 FEMALES, plus 2 MALES, 2**



## FEMALES in vials

Paratype — (F.G. Werner, May 10–14, 1949), Philippines, Palawan Island, Manta-ligajan Range, S slope Mount Balabag, 4200ft; **Jar 6O, 918/** 6 MALES, 2 FEMALES, [species description lists 8 MALES, 6 FEMALES]

Platyrrhacidae: *Polydesmorhachis pococki* Hoffman, 1975. Fieldiana, Zoology, 65: 77–78.

Holotype — (F.G. Werner, May 10–14, 1947), Philippines, Palawan Island, Mt. Balabag, 4200ft; **Jar 6Q, 923/** 1 MALE [label states May 17]

Paratypes — (F.G. Werner, May 10–17, 1947), Philippines, Palawan Island, S slope of Mt. Balabag, 4200ft; **Jar 6Q, 922/** 2 MALES, 1 FEMALE [species description lists only 1 MALE, 1 FEMALE]

Platyrrhacidae: *Polydesmorhachis weneri* Hoffman, 1975. Fieldiana, Zoology, 65: 82–84

Holotype — (F.G. Werner, May–14, 1947), Philippines, Palawan Island, S slope of Mt. Balabag, 4200ft; **Jar 6P, 921/** 1 MALE [label states May 17]

Paratypes — (F.G. Werner, May 10–14, 1947), Philippines, Palawan Island, S slope of Mt. Balabag, 4200ft; **Jar 6P, 920/** 5 MALES, 2 FEMALES and fragments

***Polydesmus*** Latreille, 1802

NF: *Polydesmus conlatus* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 36

Type — (H.S. Dybas, Jun 13–19, 1942), USA, Tennessee: Gt. Smoky Mt. National Park, Gatlinburg; **Jar 6M, 977/** 1 MALE, 2 FEMALES?

Note: Type status of specimens is not clearly stated in the species description. Hoffman (1999: 443) states that the MALE holotype is located at the USNM. Chamberlin & Hoffman (1958: 65) synonymized this species with *Dixidesmus branneri* (Bollman, 1887). Hoffman (1999: 443) synonymized *branneri* and *conlatus* with *Pseudopolydesmus canadensis* (Newport, 1844).

NF: *Polydesmus modocus* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 36

Holotype — (K.P. Schmidt, Apr 14, 1936), USA, Illinois, Randolph County, between Modoc and Roots; **Jar 6M, 927/** 1 MALE

Note: *P. modocus* (family Polydesmidae) was synonymized under *Pseudopolydesmus pinetorum* (Bollman, 1888) by Causey (1952: 6; see also Hoffman, 1999: 445).

***Poratia*** Cook & Cook, 1894

Note: Genus *Poratia* is placed in the family Pyrgodesmidae (Hoffman, 1980: 182, 1999: 495).

Stylodesmidae: *Poratia fossata* Loomis, 1964. Fieldiana, Zoology, 47: 74

Holotype — (H.S. Dybas, Mar 22, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1022/ 1 MALE**

Note: The paratype (H.S. Dybas, Mar 30, 1959, Panamá, Bocas del Toro Prov., Almirante, 1 MALE) was not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM.

*Psammodesmus* Cook, 1896

Platyrrhacidae: *Psammodesmus remotus* Loomis, 1964. Fieldiana, Zoology, 47: 62–64

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Coclé Prov., El Valle, 2200–2400ft; **Jar 6M, 1063/ 1 MALE**

*Ptyxodesmus* Loomis, 1964

Note: Genus *Ptyxodesmus* is placed in the family Pyrgodesmidae (Hoffman, 1980: 182).

Genus and species not listed in Hoffman, 1999.

\*Chytodesmidae: *Ptyxodesmus spiculatus* Loomis, 1964. Fieldiana, Zoology, 47: 24–25

Holotype — (H.S. Dybas, Feb 6, 1959), Panamá, Panamá Prov., Cerro Azul, near “Goofy” Lake; **Jar 6S, 347/ 1 MALE**

*Pycnotropis* Carl, 1914

Note: Genus *Pycnotropis* is placed in the family Platyrrhacidae (Hoffman, 1980: 164).

Aphelidesmidae: *Pycnotropis carli* Golovatch, Vohland & Hoffman, 1998. Amazoniana, 15: 77

Holotype — (B. Malkin, May 15–21, 1970), Ecuador, Dept. Pastaza-Nape, Cushueme, on Rio Chushueme, 320m, ca 150 km SE of Puye; **Jar 6V, 6229/ 1 MALE**

Note: In the species description the repository for the holotype is given as VMNH. The vial label, however, identifies the material as Field Museum property.

Aphelidesmidae: *Pycnotropis curvata* Golovatch, Vohland & Hoffman, 1998. Amazoniana, 15: 77

Holotype — (B. Malkin, Apr 21–May 1, 1970), Peru, Dept. Loreto, Yagua Indian Village, headwaters of the Rio-Loreto-Yacu; **Jar 6V, 6228/ 1 MALE**

Note: In the species description the repository for the holotype is given as VMNH. However, the vial label identifies the material as Field Museum property.

Aphelidesmidae: *Pycnotropis subfalcata* Golovatch, Vohland & Hoffman, 1998. Amazoniana, 15: 75–76

Paratype — (K. Vohland, Aug 22, 1996), Peru, Dept. Loreto, Iquitos, Rio Nanay, Padre Cocha, 3°41' S 73°17' W; **Jar 6R, 894/ 1 MALE**

Paratype — (K. Vohland, Aug 22, 1996), Peru, Dept. Loreto, Iquitos, Rio Nanay,

Padre Cocha, 3°41' S 73°17' W; **Jar 6R, 895/** 1 FEMALE

Note: The male holotype was deposited at MHNL (Golovatch et al., 1998: 75, see list of paratypes).

*Pycnoptropis unapi* Golovatch, Vohland & Hoffman, 1998. Amazoniana, 15: 73–74

Paratype — (J. Adis & A. Marmol, Apr 19, 1997), Peru, Depto. Loreto, Iquitos, Rio Nanay, Padre Cocha (3°41' S, 72°17' W), **Jar 6R, 6340/** 1 MALE

Note: The male holotype is deposited at MHNL (Golovatch et al., 1998: 75, see list of paratypes).

***Rhachidomorpha*** deSaussure, 1860

Rhachodesmidae: *Rhachidomorpha aurantium* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 564.

Holotype, paratypes [Syntypes?] — (H.S. Dybas, Jul 9, 1941), México, Veracruz State, El Fortin, 3000ft; **Jar 6R, 961/** 1 MALE, 2 FEMALES in small vials and additional specimens

Note: Species not listed in Hoffman, 1999

***Rhysodesmus*** Cook, 1895 (in Cook & Collins)

Note: Genus *Rhysodesmus* is placed in the family Xystodesmidae (Hoffman, 1980: 158, 1999: 342).

Xystodesmidae: *Rhysodesmus agrestis* Shelley, 1999. Myriapodologica, 6(3): 21–22

Paratypes — (C.L. Bilbrey, Apr 25, 1995), USA, Tennessee: Knox County, Knoxville Exp. Sta; **Jar 6S, 1299/** 1 MALE, 1 FEMALE

Note: The male holotype was deposited at NCSM.

Eurydesmidae: *Rhysodesmus amplinus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 570.

Holotype, paratype — (H.S. Dybas, Jul 4–7, 1941), México, Veracruz State, El Fortin; **Jar 6R, 2030/** 1 MALE holotype, 1 FEMALE paratype

Paratypes — (H.S. Dybas, Jul 4–7, 1941), México, Veracruz State, El Fortin; **Jar 6R, 2026/** 4 specimens. **Jar 6R, 6341/** 1 MALE, 5 FEMALES. **Jar 6R, 6342/** 1 MALE.

Note: *R. amplinus* was synonymized with *R. toltecus* (deSaussure, 1859) by Hoffman (1970: 155).

Eurydesmidae: *Rhysodesmus marcosus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 572.

Holotype, paratype — (K.P. Schmidt, Mar 2, 1934), Guatemala, Dept. San Marcos, El Provenir, 3,400ft; **Jar 6R, 2034/** 1 MALE holotype, 1 FEMALE paratype

*Sarolepis* Loomis, 1959

Note: Genus *Sarolepis* is placed in the family Pyrgodesmidae (Hoffman, 1980: 182, 1999: 498).

\*Stylodesmidae: *Sarolepis spiculatus* Loomis, 1964. Fieldiana, Zoology, 47: 76–78

Holotype — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1020**/ 1 MALE

Paratypes — (H.S. Dybas, Mar 30, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1019**/ 2 MALES, 2 FEMALES, 2 juv

Paratypes — (H.S. Dybas, Mar 27, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6S, 1021**/ 1 MALE, 1 FEMALE, 1 juv

Note: The paratypes (H.S. Dybas, Mar 30, 1959, Panamá, Bocas del Toro Prov., Almirante, 2 MALES, 2 FEMALES, 3 juv) were not located in the collection. According to Loomis (1964: 8) some paratypes were deposited at USNM.

*Seminellogon* Chamberlin, 1914

Note: Genus *Seminellogon* was variously synonymized (Hoffman, 1980: 164, 1999: 391), and recently revalidated by Vohland (1999: 133). The genus is placed in the family Amphelidesmidae.

Euryuridae: *Seminellogon magnus* Loomis, 1964. Fieldiana, Zoology, 47: 54–55

Holotype — (H.S. Dybas, Feb 23, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 6R, 539**/ 1 MALE [location in species description (Cocle Prov., El Valle 2200–2400) ]

*Sphaeriodesmus* Peters, 1864

Sphaeriodesmidae: *Sphaeriodesmus bukowinus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 553–554.

Holotype, paratype — (Ivan T. Sanderson, Oct 27, 1939), Br. Honduras (Belize), Bukowina; **Jar 6U, 981**/ 1 MALE @ [holotype] 4 FEMALES [paratypes]

Paratypes — (Ivan T. Sanderson, Dec 17, 1939), Br. Honduras (Belize), Double Falls; **Jar 6U, 979**/ 2 FEMALES @ [species description lists 3 FEMALES]

Note: Also recorded from México (Shear, 1986; Hoffman, 1999: 411; Bueno-Villegas et al., 2004: 592).

Sphaeriodesmidae: *Sphaeriodesmus cobanus* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 554.

*Colobodesmus cobanus*, — Loomis, 1968: 42 (Hoffman, 1999: 405)

Holotype — (K.P. Schmidt, Mar 25, 1934), Guatemala, Dept. Alta Verapaz, Cobán; **Jar 6U, 978**/ 1 MALE @

Paratype — (K.P. Schmidt, Mar 20, 1934), Guatemala, Dept. Alta Verapaz, Samac, 4200ft; **Jar 6U, 980**/ 1 MALE, 1 FEMALE @

***Tidesmus*** Chamberlin, 1943

Note: According to Hoffman (1980: 179) *Tidesmus* is placed in the Trichopolydesmoidea, but its position is uncertain; subsequently, Hoffman (1999: 437) preferred not to divide the suborder Polydesmidea into superfamilies. Genus is not listed in Hoffman (1999).

\*NF: *Tidesmus episcopus* Chamberlin, 1943. Proceedings of the Biological Society of Washington, 56: 35–36.

Holotype, paratypes — (G. Grant, Jan 2, 1939), USA, California: Los Angeles, Bishops Rd., Reservoir Hill; **Jar 6R, 976/ 1 MALE holotype 3 FEMALES paratypes**

Note: Not listed in Hoffman, 1999.

***Tiphallus*** Chamberlin, 1952

\*Rachodesmidae: *Tiphallus aberrans* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 566.

Types — (H.S. Dybas, Jun 19, 1941), México, San Luis Potosí State, Tamozunchale/ several specimens [gender not listed in original description]

Note: All material listed by Chamberlin (1952b: 553) is supposed to be deposited at the Field Museum; the type status of the various specimens is not noted. No specimens were located in the collection. Genus and species not listed in Hoffman, 1999.

***Trichodesmella*** Loomis, 1964

Note: Genus *Trichodesmella* is placed in the family Pyrgodesmidae (Hoffman, 1980: 183).

\*Chytodesmidae: *Trichodesmella multiloba* Loomis, 1964. Fieldiana, Zoology, 47: 26

Holotype — (H.S. Dybas, Mar 15, 1959), Panamá, Chiriquí Prov., Finca Lerida, near Boquete, 5650ft; **Jar 6S, 348/ 1 FEMALE**

Paratype — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida 5650ft; **Jar 6S, 349/ 1 FEMALE**

Note: The paratype (H.S. Dybas, Mar 15, 1959, Panamá, Chiriquí Prov., Finca Lerida, near Boquete, 7800ft, 1 MALE) was not located in the collection. According to Loomis (1964: 8) paratypes were deposited at USNM. Species not listed in Hoffman (1999).

***Trichomorpha*** Silvestri, 1897

Chelodesmidae: *Trichomorpha capillata* Loomis, 1964. Fieldiana, Zoology, 47: 17

Syntypes — (H.S. Dybas, Mar 10, 1959), Panamá, Chiriquí Prov., west of Finca Palo Santo, near Nueva California, 5000ft; **Jar 6U, 6214/ 2 MALES** [label states 'holotype' and 'allotype']

Paratypes — (H.S. Dybas, Mar 14, 1959), Panamá, Chiriquí Prov., Finca Lerida,

near Boquete, “Barca area,” 5650ft; **Jar 6U, 6215, 6216, 6217 & 6218/7**, 7 juv [14 juv noted in species description]

Paratypes — (H.S. Dybas, Mar 17, 1959), Panamá, Chiriquí Prov, Finca Lerida, 7750ft; **Jar 6U, 6219/ 17** juv

Paratypes — (H.S. Dybas, Mar 18, 1959), Panamá, Chiriquí Prov, Finca Lerida, 6900ft; **Jar 6U, 6220/ 3** juv

Eurydesmidae: *Trichomorpha manzanaris* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 570

Syntypes — (H.W. Howland, Jul 25–Aug 1, 1902), Colombia, Dept. Magdalena, Rio Rondo, Santa Marta; **Jar 6R, 272/ 2** MALES, 3 FEMALES [incl. a male holotype according to species description]

Eurydesmidae: *Trichomorpha rondonum* Chamberlin, 1952. Annals of the Entomological Society of America, 45: 570–571

Holotype — (H.W. Howland, Jul 25–Aug 1, 1902), Colombia, Dept. Magdalena, Rio Rondo, Santa Marta; **Jar 6R, 266/ 1** FEMALE

## Order SPIROBOLIDA

*Anadenobolus* Silvestri, 1897

Rhinocricidae: *Anadenobolus dissimulans* Bond and Sierwald, 2002. Invertebrate Systematics, 17: 523–524.

Holotype, paratype — (J.E. Bond and M. Merwe, Feb 16, 2000), Jamaica, St. Elizabeth Parish, 4.7 km north of Newton, by Maggotty Hydroelectric Dam, 430ft, 18°9'16.3"N 77°44'25.3"W; **Jar 6I, 3389, 3392/ 1** MALE, 1 FEMALE @

Note: Male and paratypes (from the type locality) were deposited in the Institute of Jamaica in Kingston, Jamaica.

Rhinocricidae: *Anadenobolus holomelanus* (Pocock, 1881) Bond and Sierwald 2002. Invertebrate Systematics, 17: 525–527.

Neotype — (J.E. Bond and M. Merwe, Feb 18, 2000), Jamaica, Manchester Parish, Christiana, 2600', 18°08'34.3"N 77°29'37.2"W; **Jar 6I, 3421, 3422/ 1** MALE, 1 FEMALE @

*Aztecobolus* Chamberlin, 1943

Note: Genus *Aztecobolus* is placed in the Spirobolidae (Hoffman, 1980: 76; 1999: 37); genus *Hiltonius* is placed in the Spirobolidae (Hoffman, 1980: 77; 1999: 41); genus *Messicobolus* is placed in the Messicobolidae (Hoffman, 1980: 77; 1999: 49).

Spirobolidae: *Aztecolus collaris* Chamberlin, 1953. American Midland Naturalist, 50: 148  
*Messicobolus collaris*, — Loomis, 1968: 82

Syntypes — (K.P. Schmidt, Feb 21, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 9F, 6344/** 2 FEMALES

Spirobolidae: *Aztecolus fratrellus* Chamberlin, 1953. American Midland Naturalist, 50: 148

Holotype — (K.P. Schmidt, Feb 18, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 9F, 6345/** 1 MALE

Note: The species is not listed in Hoffman, 1999.

Spirobolidae: *Aztecolus vulcan* Chamberlin, 1953. American Midland Naturalist, 50: 148–149

*Hiltonius carpinus vulcan*, — Keeton, 1960a: 107

Holotype, paratype — (K.P. Schmidt, Feb 18, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 9F, 6346/** 1 MALE holotype, 1 FEMALE paratype. **Jar 9F, 6347/** 1 FEMALE, juv.

Note: Hoffman (1999: 42) states USNM as the repository for the male holotype.

**Ergene** Chamberlin, 1943

Note: Genus *Ergene* is placed in the family Typhlobolellidae (Hoffman, 1980: 78, 1999: 56).

\*Cambalopsidae: *Ergene setosus* [recte- *setosa*] Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 5

Syntypes — (H.S. Dybas, Jun 17, 1941), México, Tamaulipas State, Ciudad Victoria; **Jar 9A, 639/** 2 FEMALES

Note: Hoffman (1999: 56) erroneously lists USNM as the repository of the ‘male’ [sic] holotype.

**Eurhinocricus** Brölemann, 1903

Rhinocricidae: *Eurhinocricus aequaliramus* Loomis, 1975. Florida Entomologist, 58: 177

Paratype — (S&J Peck, Dec 16, 1972), Jamaica, St. Andrew Parish, Hardwar Gap 8000ft; **Jar 9B, 947/** 1 MALE, 1 FEMALE @

Note: The holotype (S&J Peck, Dec 16, 1972, Jamaica, St. Andrew Parish, Hardwar Gap 8000ft, 1 MALE) was not located in Field Museum’s collection. According to Hoffman (1999: 87) it was deposited at FSCA.

Rhinocricidae: *Eurhinocricus barrios* Chamberlin, 1953. American Midland Naturalist, 50: 138

Holotype — (K.P. Schmidt, Apr 19, 1934), Guatemala, Dept. Izabal, Escobas



Island opp. Point Barrios; **Jar 9B, 948**/ 1 MALE @ [original species description lists 2 MALES]

Rhinocricidae: *Eurhinocricus bisinuatus* Loomis, 1975. Florida Entomologist, 58: 178  
Paratype — (S&J Peck, Dec 16, 1972), Jamaica, St. Andrew Parish, Hardwar Gap, 8000ft; **Jar 9B, 943**/ 1 MALE @

Note: The holotype (S&J Pecker, Dec 16, 1972, Jamaica, St. Andrew Parish, Hardwar Gap, 8000ft, 1 MALE) was not located in Field Museum's collection. According to Hoffman (1999: 88), the male holotype was deposited at FSCA.

Rhinocricidae: *Eurhinocricus chichivacus* Chamberlin, 1953. American Midland Naturalist, 50: 139

Holotype — (K.P. Schmidt, Feb 4–7, 1934), Guatemala, Dept. Chimaltenango, Chichivac; **Jar 9B, 954**/ 1 MALE @ [collecting date in species description: Feb 1, 1934; label gives species in combination with an undescribed genus name]

Rhinocricidae: *Eurhinocricus eutypus* Chamberlin, 1953. American Midland Naturalist, 50: 139–141

Holotype, paratypes — (K.P. Schmidt, Feb 21, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 9B, 953**/ 1 MALE holotype, 2 FEMALE paratypes @.

Rhinocricidae: *Eurhinocricus granulatus* Loomis, 1975. Florida Entomologist, 58: 178–179

Paratypes — (S&J Peck, Dec 16, 1972), Jamaica, St. Andrew Parish, Hardwar Gap 8000ft; **Jar 9B, 944**/ 2 FEMALES and fragments @

Note: The holotype (S&J Peck, Dec 16, 1972), Jamaica, St. Andrew Parish, Hardwar Gap 8000ft, 1 MALE) and other paratypes were not located in Field Museum's collection. According to Hoffman (1999: 89) it was deposited at FSCA.

Rhinocricidae: *Eurhinocricus incursor* Chamberlin, 1953. American Midland Naturalist, 50: 139

Holotype, paratype — (K.P. Schmidt, Dec 6, 1928), Haiti, between Enerie and Plaisance from Cape Haitian Rd. 2800ft; **Jar 9B, 956**/ 2 FEMALES @

Note: The species was synonymized with *Dibothrocriscus maltzani* by Hoffman (1998b: 108). Genus *Dibothrocriscus* was subsequently synonymized with *Jobocricus* Pérez-Asso, 1998, by Hoffman (1999: 91).

Rhinocricidae: *Eurhinocricus rosenbergi* Bond and Sierwald, 2002. Proceedings of the Biological Society of Washington, **115(3)**: 671.

Holotype, paratype — (G. Rosenberg and D. Holmes, May 23, 2000), Jamaica, Trewlany Parish, Cockpit Country, South of Caledonia, Pantrepant to Quickstep Trail, 360m, 18°20.51'N 77°41.02'W; **Jar 9B, 2376/** 1 MALE, 1 FEMALE @

Note: A male paratype (I. Muratov and E. Schubart, Oct 10, 2000, Jamaica, St. Ann Parish, Retirement, 611m, 18°17.73'N 77°23.45'W; **(2430)** was deposited in the Institute of Jamaica in Kingston, Jamaica.

Rhinocricidae: *Eurhinocricus townsendi marginandus* Loomis, 1975. Florida Entomologist, 58: 179–180

Note: Holotype and paratypes from Jamaica (S&J Peck, Jan 1, 1973, St. Thomas Parish, Whitfield Hall, 4200ft, 1 MALE, 2 FEMALES, 5 juv) were not located in Field Museum's collection. According to Hoffman (1999: 90) the holotype was deposited at FSCA.

Rhinocricidae: *Eurhinocricus valvatus* Loomis, 1975. Florida Entomologist, 58: 181

Note: The holotype (S&J Peck, Jan 1, 1973), Jamaica, St. Thomas Parish, Blue Mt. Peak, 1 MALE) was not located in Field Museum's collection. According to Hoffman (1999: 90) it was deposited at FSCA.

*Lissocricus* Chamberlin, 1953

Note: Genus *Lissocricus* is currently considered a rhinocricid genus of uncertain status and identity (Hoffman, 1980: 79). Genus also listed by Hoffman & Keeton (1960: 15) and Marek et al., 2003: 37.

\*Rhinocricidae: *Lissocricus howlandi* Chamberlin, 1953. American Midland Naturalist, 50: 141

Syntype — (H.W. Howland, Jul 25, 1902), Colombia, Dept. Magdalena (Margarita), near Santa Martha; **Jar 9C, 937/** 1 FEMALE @ [Label states: female holotype, and gives a different manuscript name; locality data match the information given in the species description]

*Metacricus* Chamberlin, 1953.

Note: Genus *Metacricus* is listed as a rhinocricid genus of uncertain status and identity by Hoffman (1980:79) from Peru [sic], see also Marek et al., 2003.

\*Rhinocricidae: *Metacricus modestus* Chamberlin, 1953. American Midland Naturalist, 50: 141–142

Holotype ? — (Hermano Irene, May 6), Venezuela, Miranda Prov., prob. Caracas; **Jar 9C, 955/** 1 FEMALE @

Paratype ? — (Hermano Irene, May 7), Venezuela, Miranda Prov., prob. Caracas; **Jar 9C, 935/** 1 MALE @

Note: species description does not clearly designate holotype and paratype.

***Microspirobolus*** Silvestri, 1898

Note: Genus *Microspirobolus* is considered a junior subjective synonym of *Spirobolellus* Pocock, 1894 (Hoffman, 1980: 78) and placed in the family Spirobolellidae (Hoffman, 1980: 78, 1999: 69).

Spirobolidae: *Microspirobolus trifasciatus* Loomis, 1964. Fieldiana, Zoology, 47: 115–116  
*Spirobolellus trifasciatus*, — Hoffman (1999: 73)

Holotype — (H.S. Dybas, Mar 22, 1959), Panamá, Bocas del Toro Prov., Almirante; **Jar 9A, 184/** 1 MALE

Paratypes — (H.S. Dybas, Nov 30, 1959), Panamá, Bocas del Toro Prov; **Jar 9A, 182/** 1 MALE, 1 MALE?

Paratypes — (H.S. Dybas, Mar 6, 1976), Panamá, Bocas del Toro Prov., Almirante; **Jar 9A, 183/** 1 MALE, 1 juv [not listed in species description]

Paratypes — (H.S. Dybas, Mar 30, 1976), Panamá, Bocas del Toro Prov., Almirante; **Jar 9A, 185/** 1 MALE, 1 FEMALE [March collecting date uncertain]

***Neocricus*** Chamberlin, 1941

Rhinocricidae: *Neocricus ireneei* Chamberlin, 1953. American Midland Naturalist, 50: 143

Holotype — (Hermano Irene, May 8), Venezuela, Miranda Prov., probably Caracas; **Jar 9C, 941/** 1 MALE@

***Oxobolus*** Chamberlin, 1922

Note: Genus *Oxobolus* is currently considered a junior subjective synonym of *Messicobolus* by Hoffman (1998a: 64; 1999: 48) and placed in the family Messicobolidae (Hoffman, 1980: 77).

Spirobolidae: *Oxobolus mundus* Chamberlin, 1953. Proceedings of the Biological Society of Washington, 66: 69

*Messicobolus mundus*, — Hoffman, 1999: 50

Holotype — Honduras, Cortes Prov., San Pedro Sula; **Jar 9E, 1077/** 1 MALE [no head or gonopods — label indicates these were placed in a separate vial; no such vial was located].

Spirobolidae: *Oxobolus santanus* Chamberlin, 1953. Proceedings of the Biological Society of Washington, 66: 69

*Messicobolus santanus*, — Hoffman, 1999: 51

Holotype — (K.P. Schmidt & L. Walters, Mar 21, 1923), Honduras, Cortes Prov., San Pedro Sula, Head of Rio Santa Ana, 4500ft; **Jar 9F, 1078/** 1 FEMALE [with eggs?]

Note: Hoffman (1999: 51) lists USNM as the repository of the female holotype.

***Oxypyge* Silvestri, 1896**

Rhinocricidae: *Oxypyge curticaudus* Chamberlin, 1953. American Midland Naturalist, 50: 143

*Oxypyge curticauda*, — Hoffman, 1999:95

Holotype — (K.P. Schmidt, Dec 20, 1933), Guatemala, Dept. Izabal, Bobos Playitas; **Jar 9D, 946**/ 1 FEMALE along with fragments @ [Date on the label disagrees with the species description]

Paratype — (K.P.&F.J.W. Schmidt, Nov 27, 1933), Guatemala, Escobas Island; **Jar 9D, 936**/ 1 FEMALE @

Paratype — (K.P. Schmidt, Dec 15, 1933), Guatemala, Dept. Izabal, Bobos Playitas 1000ft; **Jar 9D, 952**/ 1 FEMALE with fragments @

Note: According to Chamberlin (1953b: 138), the type material deposited at Field Museum consisted of one male and three females, all collected on Dec 15, 1933. Hoffman (1999: 95) states that the male holotype is located at FMNH. However, no male specimens were found, only three female specimens with different collecting dates.

***Rhinocricus* Karsch, 1881**

Rhinocricidae: *Rhinocricus calinus* Chamberlin, 1953. American Midland Naturalist, 50: 143

Holotype — (H.S. Dybas, Jun 30, 1947), Colombia, Valle del Cauca Prov., Cali; **Jar 9C, 951**/ 1 FEMALE @

Rhinocricidae: *Rhinocricus chichen* Chamberlin, 1953. American Midland Naturalist, 50: 145

*Anadenobolus chichen*, — Hoffman, 1999: 78

Holotype, paratypes — (E. Andrews 1933 to 1934), México, Yucatán State, Chichen Itza; **Jar 9C, 957**/ 1 MALE, 1 FEMALE @

Note: Label and species description state 2 MALES and 1 FEMALE, however the vial contains only one of each.

Rhinocricidae: *Rhinocricus mas* Chamberlin, 1953. American Midland Naturalist, 50: 145

Holotype — (Jul 9, 1926), Brazil, Therezopolis; **Jar 9C, 950**/ 1 MALE @

Rhinocricidae: *Rhinocricus melanior* Chamberlin, 1953. American Midland Naturalist 50: 145

Holotype — (H.S. Dybas, Jun 30, 1937), Colombia, Valle del Cauca Prov., near Cali; **Jar 9C, 960**/ 1 FEMALE @

Rhinocricidae: *Rhinocricus relictus* Chamberlin, 1953. American Midland Naturalist, 50: 147

Syntype — (H.S. Dybas, Jun 30, 1932), Colombia, Valle del Cauca Prov., Cali; **Jar 9C, 934/ 1 FEMALE** @ [species description states two females]

Rhinocricidae: *Rhinocricus tejerianus* Chamberlin, 1953. American Midland Naturalist, 50: 147

*Anadenobolus tejerianus*, — Hoffman, 1999: 86

Syntype — (H.S. Dybas, Jul 4, 1941), México, Veracruz State, Tejeria; **Jar 9C, 958/ 1 MALE** @ [species description states 2 males]

Rhinocricidae: *Rhinocricus translocatus* Loomis, 1975. Florida Entomologist, 58: 182

*Anadenobolus translocatus*, - Hoffman, 1999: 86

Paratypes — (S&J Peck, Dec 17, 1972), Jamaica, St. Thomas Parish, Portland Gap 5500ft; **Jar 9C, 945/ 2 MALES, 7 FEMALES** @ [original description lists male holotype and four other males]

Note: The male holotype (S&J Peck, Dec 17, Jamaica, St. Thomas Parish, Portland Gap) was not located in Field Museum's collection. According to Hoffman (1999: 86), the holotype was deposited at FSCA.

*Salpidobolus* Silvestri, 1897

Rhinocricidae: *Salpidobolus palawanus* Hoffman, 1974. Revue Suisse de Zoologie, 81: 196–199

Holotype — (May 1947), Philippines, Palawan Island, Brooke's Point; **Jar 9D, 985/ 1 MALE** @

*Schmidtulus* Chamberlin, 1953

Note: Genus *Schmidtulus* is currently assigned to the family Allopocockiidae (Loomis, 1968: 78, Hoffman, 1980: 77; 1999: 55; Hoffman and Keeton, 1960: 21).

\*Spirobolidae: *Schmidtulus chichivacus* Chamberlin, 1953. American Midland Naturalist, 50: 149–150

Holotype ? — (K.P. Schmidt, Feb 1, 1934), Guatemala, Dept. Chimaltenango, Sta Elena Chichivac, near Tecpan; **Jar 9A, 3/ 1 MALE** [label states 'holotype']

Paratypes — (K.P. Schmidt, Feb 4–7, 1934), Guatemala, Dept. Chimaltenango, Sta Elena, near Tecpan, 9500ft, Chichivac; **Jar 9A, 1/ 2 MALES 3 FEMALES** [label states 'types']

Note: The species description cites four (Jan 26) and seven (Feb 4–7) specimens for this species; types are not designated. See Hoffman (1999: 55) for discussion of type locality.

Spirobolidae: *Schmidtolus parvior* Chamberlin, 1953. American Midland Naturalist, 50: 150

Syntypes — (K.P. Schmidt, Feb 21, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco; **Jar 9A, 2/** 1 MALE, 1 FEMALE

Note: Apparently, Chamberlin intended to name this species ‘prior,’ since this name is stated on the label. Chamberlin used this manuscript name in his species description of *Schmidtolus chichivacus* (see above), comparing *chichivacus* with ‘prior,’ apparently referring to *Schmidtolus parvior*.

***Spirobolus*** Brandt, 1833

Note: According to Keeton (1960a: 62) and Hoffman (1980: 77; 1999: 38) American species assigned to *Spirobolus* belong in *Narceus* Rafinesque, 1820.

Spirobolidae: *Spirobolus gordanus* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 5

*Narceus gordanus*, — Keeton, 1960a: 94, Hoffman, 1999: 40

Note: The male holotype (H. Ramstadt, Feb 1940, USA, Florida, Charlotte County, Punta Gorda) was supposed to be deposited at Field Museum (Chamberlin, 1943c: 7). According to Hoffman (1999: 40) the type is located at USNM.

Spirobolidae: *Spirobolus orophilus* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 8

Holotype, paratypes — (H.S. Dybas, Jun 13–19, 1942), USA, Tennessee, Sevier County, Gatlinburg, Gt. Smoky Mts National Park; **Jar 9G, 79/** 1 MALE, 3 FEMALES, 1 fragment [six specimens cited in species description]

Paratypes — (H.S. Dybas, Jun 14–19, 1942), USA, Tennessee: Greenbriar Cove, Gt. Smoky Mts National Park; **Jar 9H, 71/** 1 MALE, 2 FEMALES

Note: Hoffman (1999: 40) noted that the male holotype is located at USNM. Keeton (1960a: 66) synonymized *orophilus* under *Narceus annularis* (Rafinesque, 1820).

Spirobolidae: *Spirobolus melanior* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 9

Holotype — (K.P. Schmidt, Apr 18, 1941), USA, Texas: Austin County, E. of Sealy; **Jar 9A, 139/** 1 FEMALE in fragments

Note: Hoffman (1999: 39) states that the female holotype is located at USNM. Keeton (1960a: 87) synonymized *melanior* under *Narceus americanus* (Palisot de Beauvois, 1817).

Spirobolidae: *Spirobolus ramstadti* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 7

Note: The male holotype (H. Ramstadt, Mar 1940, USA, Florida, Charlotte County, Punta Gorda) and several paratypes are supposed to be at Field Museum (Chamberlin, 1943c: 8). According to Hoffman (1999: 39) the holotype is located at USNM. Keeton (1960a: 86) synonymized *ramstadtii* under *Narceus americanus* (Palisot de Beauvois, 1817).

## Order SPIROSTREPTIDA

### *Cambala* Gray, 1832

Cambalidae: *Cambala saltillona* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 3

Holotype, paratype — (K.P. Schmidt, Apr 5, 1937), USA, Texas: Hopkins County, Saltillo; **Jar 10A, 239/ 1 MALE, 1 FEMALE**

Note: The species *saltillona* is considered a junior subjective synonym of *Cambala ochra* Chamberlin, 1942 by Shelley (1979: 563, see also Hoffman, 1999: 106)

### *Epinannolene* Brölemann, 1903

Note: Genus *Epinannolene* is placed in the family Pseudonannolenidae (Hoffman, 1980: 91, 1999: 114).

Epinannolenidae: *Epinannolene caeca* Loomis, 1964. Fieldiana, Zoology, 47: 120

Holotype — (H.S. Dybas, Jan 1, 1959), Panamá, Canal Zone, Barro Colorado Island; **Jar 10A, 560/ 1 MALE**

Epinannolenidae: *Epinannolene sulcata* Loomis, 1964. Fieldiana, Zoology, 47: 120–121

Holotype — (H.S. Dybas, Mar 9, 1959), Panamá, Chiriquí Prov., west of Finca Palo Santo, near Nueva California, 4900ft; **Jar 10A, 559/ 1 MALE**

### *Leiodere* Loomis, 1938

Note: Genus *Leiodere* is placed in the family Cambalidae (Hoffman, 1980: 90, 1999: 108).

Cambalopsidae: *Leiodere angelorum* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8 (2)}: 5

Holotype, paratype — (G. Grant, Jan 5, 1936), USA, California: Los Angeles; **Jar 10A, 641/ 2 FEMALES**

Paratype — (G. Grant, Jan 5, 1936), USA, California: Los Angeles; **Jar 10A, 1163/ 1 FEMALE**

Note: Hoffman (1999: 108) questions the generic assignment.

### *Oreastreptus* Hoffman, 1956

\*Spirostreptidae: *Oreastreptus sanborni* Hoffman, 1956. Lloydia, 19: 106–107



Holotype — (C.C. Sanborn, Oct 10, 1941), Peru, Dept. Puno, Segrario; **Jar 10A, 991/ 1 MALE**

*Orthoporus* Silvestri, 1897

Spirostreptidae: *Orthoporus bisulcatus* Chamberlin, 1952. Great Basin Naturalist, 12: 21  
Holotype — (H.S. Dybas, Jul 4, 1941), México, Veracruz State, Tejeria; **Jar 10A, 998/ 1 FEMALE** [Date in species description (Apr 19, 1941) differs from label].

Spirostreptidae: *Orthoporus bobos* Chamberlin, 1952. Great Basin Naturalist, 12: 23  
Holotype — (K.P. Schmidt, Dec 15, 1938), Guatemala, Dept. Izabal, Bobos River; **Jar 10A, 994/ 1 FEMALE**

Spirostreptidae: *Orthoporus cienegonus* Chamberlin, 1952. Great Basin Naturalist, 12: 23–24  
Syntypes — (H.S. Dybas, Apr 14, 1941), México, Nuevo León State, Cienego de Flores; **Jar 10B, 1015/ 2FEMALE**[damaged by a white powderish substance]  
Note: Hoffman (1999: 122) reports that the ‘male holotype’ is located at USNM. However, the species description does not mention a male specimen for this species.

Spirostreptidae: *Orthoporus crotonus* Chamberlin, 1952. Great Basin Naturalist, 12: 24–25.  
Type — (K.P. Schmidt, Jul 29, 1937), USA, Texas: Brewster County, Croton Springs; **Jar 10C, 1016/ 2FEMALE**[in fragments, some missing]  
Note: *Orthoporus crotonus* was synonymized with *O. punctilliger* Chamberlin, 1923 by Loomis (1963: 124), the latter was synonymized with *O. ornatus* (Girard, 1852) by Causey (1964: 177; see Hoffman, 1999: 127).

Spirostreptidae: *Orthoporus euthus* Chamberlin, 1952. Great Basin Naturalist, 12: 25.  
Holotype — (K.P. Schmidt, Jan 10, 1934), Guatemala, Dept. Esquintla, Tiquisate; **Jar 10A, 995/ 1 MALE, 1 FEMALE**

Spirostreptidae: *Orthoporus gracilior* Chamberlin, 1952. Great Basin Naturalist, 12: 25–26.  
Holotype, paratype — (K.P. Schmidt, Feb 21, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco, 4000–6500ft; **Jar 10E, 1001/ 1 MALE** holotype, 1 FEMALE paratype

Spirostreptidae: *Orthoporus tehuacanus* Chamberlin, 1952. Great Basin Naturalist, 12: 26–27.  
Holotype — (H.S. Dybas, Jul 6, 1941), México, Puebla State, Tehuacán; **Jar 10E, 997/ 1 FEMALE**

Spirostreptidae: *Orthoporus unciferens* Chamberlin, 1952. Great Basin Naturalist, 12: 27  
Holotype — (K.P. Schmidt, Mar 5, 1934), Guatemala, Dept. San Marcos, El Porvenir; **Jar 10E, 1000**/ 1 MALE [Label with different species name]  
Note: Species not listed in Hoffman, 1999.

***Phallorthus*** Chamberlin, 1952

Note: Genus *Phallorthus* is a junior subjective synonym of *Orthoporus* Silvestri, 1897 (Hoffman, 1980: 94) and placed in the family Spirostreptidae according to Hoffman (1980: 94). Synonymy under *Orthoporus* not listed in Hoffman, 1999: 120.

\*Phallorthisidae: *Phallorthus columbianus* Chamberlin, 1952. Great Basin Naturalist, 12: 20–21

Holotype — (H.W. Howland), Colombia, Dept. Magdalena, Santa Martha; **Jar 10F, 640**/ 1 MALE

Paratypes — (H.W. Howland, Jul 25–Aug 6, 1902), Colombia, Dept. Magdalena, region of Santa Martha and Manzanaris; **Jar 10F, 982**/ 17 specimens: MALES, FEMALES juv

***Scaphiostreptus*** Brölemann, 1902

Note: Genus *Scaphiostreptus* is considered a junior subjective synonym of *Orthoporus* Silvestri, 1897 (Hoffman, 1980: 94, 1999: 120).

Spirostreptidae: *Scaphiostreptus dybasi* Chamberlin, 1952. Great Basin Naturalist, 12: 28–29

*Orthoporus dybasi*, — Causey, 1964: 175

Holotype — (H.S. Dybas, Jul 10, 1941), México, Veracruz State, El Fortin; **Jar 10F, 989**/ 1 MALE [Label with a different species name]

Spirostreptidae: *Scaphiostreptus simplex* Chamberlin, 1952. Great Basin Naturalist, 12: 27–28

Holotype — (Hermano Irene, May 3), Venezuela, Miranda Prov., prob. Caracas; **Jar 10F, 990**/ 1 MALE

***Spirostreptus*** Brandt, 1833

Spirostreptidae: *Spirostreptus ergus* Chamberlin, 1952. Great Basin Naturalist, 12: 29.

Holotype — (Hermano Irene), Venezuela, Miranda Prov., probably Caracas; **Jar 10D, 1014**/ 1 FEMALE

***Spissustreptus*** Demange, 1961

Harpagophoridae: *Spissustreptus demangei* Hoffman, 1975. Journal of Natural History, 9: 142–144

Holotype — (R.F. Inger and D.D. Davis, Jul 13–Aug 13, 1950), Indonesia, North

- Borneo (Sabah), Sandakan Dist. Spagaya Forest Reserve; **Jar 10G, 618/** 1 MALE  
 Harpagophoridae: *Spissustreptus wallacei* Hoffman, 1975. Journal of Natural History, 9:  
 144–146  
 Holotype, paratypes — (F. Werner, Mar – Apr 1947), Philippines, Palawan Prov.,  
 Puerto Princessa; **Jar 10H, 621/** 1 MALE holotype, 2 FEMALE paratypes

### Order JULIDA

#### *Nemasoma* C.L. Koch, 1847

Note: The genera *Nemasoma* and *Orniosobates* Lohmander, 1932 are placed in the family Nemasomatidae according to Enghoff (1985: 29, 1991: 260, see Hoffman, 1999: 133)

Nemasomidae: *Nemasoma nigrius* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8(2)}: 9

*Orinosobates nigrius* [sic], — Hoffman, 1966: 178

*Orinosobates nigrior*, — Enghoff, 1995: 56, species name emendated

Holotype, paratype — (H.S. Dybas, Jun 13–19, 1943), USA, Tennessee: Gt. Smoky Mts National Park, Gatlinburg/ 2 MALES.

Note: According to Chamberlin (1943c: 10) the types were to be deposited at Field Museum, but the specimens were not located in the collection. Hoffman (1999: 133) indicated that the holotype is lost, but that topotypes are located at the USNM.

#### *Parajulus* Humbert & deSaussure, 1869

Parajulidae: *Paraiulus schmidt* Chamberlin, 1952. Great Basin Naturalist, 12: 18

Paratype — (K.P. Schmidt, Feb 18, 1934), Guatemala, Dept. San Marcos, Volcán Tajumulco 8500ft; **Jar 3A, 900/** 1 MALE, 2 FEMALES

Note: Hoffman (1999: 170) lists *Paraiulus schmidt* as ‘species of uncertain generic position.’

Parajulidae: *Paraiulus viganus* Chamberlin, 1952. Great Basin Naturalist, 12: 19

Holotype, paratypes — (H.S. Dybas, Jun 30, 1941), México, Veracruz State, Las Vigas; **Jar 3A, 897/** 1 MALE holotype, 1 MALE, 2 juv paratypes

Note: Species not listed in Hoffman, 1999.

#### *Ptyoiulus* Cook, 1895

Parajulidae: *Ptyoiulus coveanus* Chamberlin, 1943. Bulletin of the University of Utah, 34(6) {Biol. Ser. 8 (2)}: 10–11

Holotype, paratypes — (H.S. Dybas, Jun 14–19, 1942), USA, Tennessee: Gt. Smoky Mt. National Park, Greenbriar Cove; **Jar 3A, 899/** 1 MALE holotype, 6

FEMALES paratypes @ [only 6 specimens noted in species description]

Note: see range of species given by Hoffman (1999: 162).

*Saiulus* Chamberlin, 1940

Parajulidae: *Saiulus fumans* Chamberlin, 1943. Bulletin of the University of Utah, 34(6)  
{Biol. Ser. 8 (2): 10

*Uroblaniulus fumans*, — Chamberlin, 1951: 19

Type — (H.S. Dybas, Jun 13–19, 1942), USA, Tennessee: Gt. Smoky Mts  
National Park, Gatlinburg and Greenbriar Cove; **Jar 3A, 896/ 4 MALES, 3  
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